



Product Catalogue



öznur kablo

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Company Profile

ÖZNUR CABLE, one of the leading cable companies of TURKEY, established in Istanbul with %100 domestic capital at the year of 1989.

With modern information processing infrastructure and automation technology, ÖZNUR CABLE have production capacity of 40,000 tons of natural and colored PVC granules, 70,000 tons of 8 mm electrolytic copper wire rod and using capacity of 6,000 tons of XLPE and 10,000 tons of HFFR material. As an indicator of the importance of quality, human and environment, ÖZNUR CABLE, has accepted "Quality Management System TS-ISO-EN 9000", Environmental Management System TS-ISO-EN 14000", "OHSAS 18001 Occupational Health and Safety" and "ISO / IEC 27001 Information Security Management System" as its main principles.

Acting on the basis of these principles, ÖZNUR CABLE provides reliable and superior quality products to the consumers and ensures continuous customer satisfaction.

ÖZNUR CABLE, who aims at sustainability in growth, realized the first investment on 110.000 m² open space area in Çerkezköy in 1999 by establishing a factory which produces 0,6 / 1 kV PVC insulated cables with 20.000 m² closed area.

With its vision of quality and developments in the sector closely, ÖZNUR CABLE has established another 20.000 m² closed area facility in 2006. This facility is capable of producing 154 KV high voltage cables in the CV line which has a continuous vulcanization system to produce XLPE insulated medium voltage cable between 3,6 / 6kV and 20,3 / 35kV.

ÖZNUR CABLE, aiming to grow continuously, established another investment for 8 mm SCR-2000 electrolytic copper wire rod facility with an annual capacity of 70.000 tons, supplied from the SOUTHWIRE company of USA with 5000 m² closed area in 2007. This annual production capacity of 70.000 tons has made ÖZNUR CABLE the leading producer of Electrolytic copper wire rod in the cable industry.

ÖZNUR CABLE, which has adopted the philosophy of continuous investment philosophy as its principle, produces fire-safe HFFR cables which are XLPE insulated, HFFR Filled and Outer Sheathed Halogen Free products.

ÖZNUR CABLE has established its 4th facility in 2015 on 25.000 m² closed area which has Aluminum wire drawing and thinning lines, Aluminum conductor drawing lines, second continuous vulcanization CV line for XLPE insulated medium voltage cables, AER cable production line and low voltage and medium voltage cables with Aluminum conductor.

With the completion of the installation of the aluminum wire rod production line and HFFR granule production line of 2,000 kg / hour capacity which is for the increasing demand of HFFR cables, ÖZNUR CABLE will continue to invest in the way to become a modern integrated plant.

Today ÖZNUR CABLE, which owns the state-of-the-art cable factory equipped with the most modern production lines and quality control test laboratories, who has SCR Electrolytic 8 mm copper wire rod production plant, XLPE insulated CV Line capable of 154 KV high voltage cables, Copper and Aluminum wire drawing and thinning lines, Conductor and Vortex lines, 0,6 / 1 kV PVC, XLPE, HFFR Insulated and Sheated cable extrusion lines, PVC granule production, packaging and packaging machines continues to perform quality checks with advanced testing laboratories serving in international quality standards.

ÖZNUR CABLE has adopted customer satisfaction as a principle since its establishment. In this context, TSE, VDE, IEC, standard products as well as products, including customized requests for custom cable production also responds to requests. ÖZNUR CABLE, has built on 70.000 m² closed area. Upon completion of the investments, it is going to be one of Turkey's largest cable manufacturer with annual production capacity of 70,000 tons of copper wire rod and 25,000 tons of aluminum rod.

ÖZNUR CABLE continues its steps towards becoming a world brand.





1

**Quality
Certificates**



2

**PVC Insulated
Installation Cables
Flexible Wires and Cords**



450/750 V

PVC INSULATED NON-SHEATHED SINGLE CORE CABLES WITH COPPER CONDUCTOR



H07V-U H07V-R(HAR)

Code	H07V-U, H07V-R (TSE) , NYA (VDE)
Standarts	TS EN 50525-2-31, VDE 0281, BS 6004, IEC 60227
Construction	Copper conductor, PVC insulation
Application	In dry rooms, switch and distribution boards, for laying in conduit on and under plaster and on insulated supports above plaster.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature Cross section ≤300 mm ² 160 °C Cross section >300 mm ² 140 °C

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Standart delivery lenght	Conductor DC (maks.) resistance at 20 °C	Current carrying capacity in	
mm ²	mm	kg/km	m	ohm/km	Conduit (A)	Air (A)
*0.75 re	2,2	11	100	24,5	-	15
*1.0 re	2,3	13	100	18,1	11	19
1.5 re	2,8	18	100	12,1	14	24
2.5 re	3,4	29	100	7,41	19	32
4 re	3,8	45	100	4,61	26	42
6 re	4,3	60	100	3,08	34	54
10 rm	5,9	105	100	1,83	46	73
16 rm	7,0	160	100	1,15	61	98
25 rm	8,5	250	100	0,727	80	129
35 rm	9,5	350	1000	0,524	99	158
50 rm	11,0	450	1000	0,387	119	198
70 rm	13,0	650	1000	0,268	151	245
95 rm	15,0	900	1000	0,193	182	292
120 rm	16,0	1140	1000	0,153	210	344
150 rm	18,0	1380	1000	0,124	-	391
185 rm	20,0	1760	1000	0,0991	-	448
240 rm	23,0	2250	1000	0,0754	-	528
300 rm	26,0	2930	1000	0,0601	-	608
400 rm	29,0	3750	1000	0,0470	-	726

re : Single-wire conductor

rm : Stranded conductor

450/750 V

PVC INSULATED NON-SHEATHED SINGLE CORE CABLES WITH FLEXIBLE COPPER CONDUCTORS



H05V-K H07V-K(HAR)

Code	H05V-K, H07V-K (TSE), NYAF (VDE)
Standarts	TS EN 50525-2-31, VDE 0281, BS 6004, IEC 60227
Construction	Flexible copper conductor, PVC insulation
Application	For protected installation in equipment and lighting fitting. Also for in conduit, on and under plaster.
Technical Datas	Max.operating temperature 70 °C Short circuit temperature 160 °C

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Standart delivery lenght	Conductor DC (maks.) resistance at 20 °C	Current carrying capacity in	
					Conduit (A)	Air (A)
mm ²	mm	kg/km	m	ohm/km		
*0.75	2,4	11	100	26,0	-	15
*1.0	2,6	14	100	19,5	11	19
1.5	2,8	18	100	13,3	14	24
2.5	3,5	29	100	7,98	19	32
4	4,5	45	100	4,95	26	42
6	5,0	60	100	3,30	34	54
10	6,5	105	100	1,91	46	73
16	8,0	160	100	1,21	61	98
25	9,5	250	100	0,780	80	129
35	11,0	350	1000	0,554	99	158
50	13,0	450	1000	0,386	119	198
70	15,5	650	1000	0,272	151	245
95	18,0	900	1000	0,206	182	292
120	20,0	1140	1000	0,161	210	344
150	22,0	1380	1000	0,129	-	391
185	25,0	1760	1000	0,106	-	448
240	28,0	2250	1000	0,0801	-	528

*(H05V-K)

300/500 V

PVC INSULATED MULTI-CORE CABLES



NVV • 05VV-U 05VV-R (TSE) • NYM(VDE) Cu/PVC/PVC(BS)

Code	NVV, 05VV-U , 05VV-R (TSE), NYM(VDE), Cu/PVC/PVC (BS)
Standarts	TS HD 21.4 S2, VDE 0281, BS 6004, IEC 60227
Construction	Copper conductor, PVC insulation, PVC filler, PVC outer sheath.
Application	Fixed wiring in dry and damp premises, in conduits, on or under plaster and on insulators over plaster, switching and distribution panels.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature 160 °C Min. Bending radius 12*D D:Cable outer diameter (mm)

Dimensions and Weights				Electrical Information	
Nominal cross-section	Overall Diameter	Net Weight	Standart delivery lenght	Conductor DC (maks.) resistance at 20 °C	Current carrying capacity in
					Air (A)
mm ²	mm	kg/km	m	ohm/km	
2x1.5 re	8,80	105	100	12,1	22
2x2.5 re	10,0	145	100	7,41	30
2x4 re	11,0	195	100	4,61	40
2x6 re	12,0	250	100	3,08	50
2x10 rm	16,0	420	100	1,83	70
2x16 rm	18,0	590	1000	1,15	93
2x25 rm	21,0	860	1000	0,727	108
2x35 rm	23,0	1150	1000	0,524	135
3x1.5 re	9,0	125	100	12,1	22
3x2.5 re	10,5	175	100	7,41	30
3x4 re	11,5	240	100	4,61	40
3x6 re	13,0	325	100	3,08	50
3x10 rm	16,5	520	100	1,83	70
3x16 rm	19,0	740	1000	1,15	93
3x25 rm	22,0	1100	1000	0,727	108
3x35 rm	25,0	1460	1000	0,524	135
4x1.5 re	10,0	145	100	12,1	18
4x2.5 re	11,5	215	100	7,41	24
4x4 re	13,0	300	100	4,61	32
4x6 re	14,0	410	100	3,08	42
4x10 rm	18,5	645	100	1,83	60
4x16 rm	21,0	930	1000	1,15	80
4x25 rm	24,5	1400	1000	0,727	100
4x35 rm	27,5	1900	1000	0,524	124
5x1.5 re	11,0	180	1000	12,1	18
5x2.5 re	12,0	250	1000	7,41	24
5x4 re	14,0	360	1000	4,61	32
5x6 re	16,0	480	1000	3,08	42
5x10 rm	20,0	800	1000	1,83	60
5x16 rm	23,0	1150	1000	1,15	80
5x25 rm	27,5	1700	1000	0,727	100
5x35 rm	31,0	2300	1000	0,524	124

re : Single-wire conductor
rm : Stranded conductor

300/500 V

PVC INSULATED MULTI-CORE CABLES WITH FLEXIBLE COPPER CONDUCTOR



H05VV-F(HAR)

Code	H05VV-F (TSE)
Standarts	TS EN 50525-2-11, VDE 0281, BS 6500, IEC 60227
Construction	Flexible copper conductor, PVC insulation, PVC filler, PVC outer sheath
Application	For household appliances under medium mechanical stress-also in damp and wet areas
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature 160 °C Min. Bending radius 6*D D:Cable outer diameter (mm)

Dimensions and Weights				Electrical Information	
Nominal cross-section	Overall Diameter	Net Weight	Standart delivery lenght	Conductor DC (maks.) resistance at 20 °C	Current carrying capacity in
					Air (A)
mm ²	mm	kg/km	m	ohm/km	
2x0.75	6,5	58	100	26,0	6
2x1	7,0	65	100	19,5	10
2x1.5	7,7	82	100	13,3	16
2x2.5	9,6	130	100	7,98	25
2x4	11,5	182	100	4,95	32
3x0.75	6,4	63	100	26,0	6
3x1	7,1	74	100	19,5	10
3x1.5	7,9	103	100	13,3	16
3x2.5	9,8	159	100	7,98	25
3x4	11,6	230	100	4,95	32
4x0.75	7,0	76	100	26,0	6
4x1	7,8	93	100	19,5	10
4x1.5	8,8	129	100	13,3	16
4x2.5	10,8	193	100	7,98	25
4x4	12,7	285	100	4,95	32
5x0.75	7,9	100	100	26,0	6
5x1	8,5	120	100	19,5	10
5x1.5	10,1	170	100	13,3	16
5x2.5	12,2	260	100	7,98	25

300/500 V (Private Production)

PVC INSULATED MULTI-CORE CABLES WITH FLEXIBLE COPPER CONDUCTOR



05VV-F(TSE)

Code	05VV-F(TSE)
Standarts	TS EN 50525-2-11, VDE 0281, BS 6500, IEC 60227
Construction	Flexible copper conductor, PVC insulation, PVC filler, PVC outer sheath
Application	For household appliances under medium mechanical stress-also in damp and wet areas
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature 160 °C Min. Bending radius 6*D D:Cable outer diameter (mm)

Dimensions and Weights				Electrical Information	
Nominal cross-section	Overall Diameter	Net Weight	Standart delivery lenght	Conductor DC (maks.) resistance at 20 °C	Current carrying capacity in
mm ²	mm	kg/km	m	ohm/km	Air (A)
2x6	13,0	280	100	3,30	42
2x10	17,0	450	1000	1,91	60
2x16	21,0	700	1000	1,21	80
3x6	14,0	325	1000	3,30	42
3x10	18,5	575	1000	1,91	60
3x16	22,0	850	1000	1,21	80
4x6	15,0	400	100	3,30	42
4x10	19,0	650	1000	1,91	60
4x16	24,0	1000	1000	1,21	80
5x6	17,0	500	1000	3,30	42
5x10	21,0	800	1000	1,91	60
5x16	27,0	1200	1000	1,21	80
7x1.5	12,0	230	1000	13,30	12
10x1.5	14,5	330	1000	13,30	10
12x1.5	15,0	360	1000	13,30	10
14x1.5	16,0	450	1000	13,30	9
19x1.5	18,0	575	1000	13,30	8
21x1.5	19,5	650	1000	13,30	8
24x1.5	21,5	750	1000	13,30	8
30x1.5	23,0	900	1000	13,30	8
7x2.5	14,5	325	1000	7,98	15
10x2.5	18,0	450	1000	7,98	14
12x2.5	19,0	550	1000	7,98	13
14x2.5	20,0	640	1000	7,98	11
19x2.5	22,5	840	1000	7,98	11
21x2.5	24,0	900	1000	7,98	11
24x2.5	26,5	1100	1000	7,98	10
30x2.5	28,0	1320	1000	7,98	9



3

0.6/1 kV PVC Insulated Low Voltage Power Cables



0.6/1 kV

PVC INSULATED SINGLE CORE CABLES WITH COPPER CONDUCTOR



YVV(TSE) • NYY (VDE)
Cu/PVC/PVC(BS)

Code	YVV-U, YVV-R (TSE), NYY (VDE), Cu/PVC/PVC (BS)
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper conductor, PVC insulation, PVC outer sheath
Application	Preferably for installation indoors, in cable ducts and in industrial plants or switching stations underground installation with additional protection where mechanical damage is unexpected.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature Cross section ≤300 mm ² 160 °C Cross section > 300 mm ² 140 °C Min. Bending radius 15*D D:Cable outer diameter (mm)

Dimensions and Weights				Electrical Information				
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (max.) resistance at 20 °C (max.)	Current carrying capacity in			
					Ground(A)		Air(A)	
mm ²	mm	kg/km	cm	ohm/km	●●●	●●●	●●●	●●●
1x4 re	7,5	90	80	4,61	56	48	45	32
1x6 re	8,0	110	80	3,08	70	60	58	40
1x10 rm	9,5	160	80	1,83	95	80	78	60
1x16 rm	10,0	220	90	1,15	123	105	108	80
1x25 rm	11,5	320	90	0,727	160	137	140	110
1x35 rm	13,0	425	100	0,524	190	162	175	135
1x50 rm	14,0	550	100	0,387	225	192	210	165
1x70 rm	16,0	760	110	0,268	272	235	270	210
1x95 rm	18,0	1020	120	0,193	320	284	330	260
1x120 rm	19,5	1280	120	0,153	375	320	385	300
1x150 rm	22,0	1525	130	0,124	420	360	448	350
1x185 rm	24,0	1950	140	0,0991	475	410	510	400
1x240 rm	26,5	2450	150	0,0754	550	475	600	480
x300 rm	30,0	3175	160	0,0601	632	542	678	549
1x400 rm	33,0	4050	180	0,0470	730	624	817	657
1x500 rm	38,0	5150	210	0,0366	823	698	940	749

re: Single-wire conductor

rm: Stranded conductor

0.6/1 kV

PVC INSULATED MULTI-CORE CABLES WITH COPPER CONDUCTOR



YVV(TSE) • NYY(VDE) Cu/PVC/PVC(BS)

Code	YVV-U, YVV-R (TSE), NYY (VDE), Cu/PVC/PVC (BS)
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper conductor, PVC insulation, PVC filler, PVC outer sheath
Application	Preferably for installation indoors, in cable ducts and in industrial plants or switching stations underground installation with additional protection where mechanical damage is unexpected.
Technical Datas	Max. Operating temperature 70 °C Max. Short circuit temperature 160 °C Min. Bending radius 12*D D:Cable outer diameter (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
2x1.5 re	10,5	150	80	12,1	32	22
2x2.5 re	11,5	190	90	7,41	42	30
2x4 re	13,0	260	90	4,61	52	40
2x6 re	14,0	320	100	3,08	66	50
2x10 rm	16,0	460	100	1,83	90	69
2x16 rm	18,0	620	120	1,15	115	92
2x25 rm	22,0	920	130	0,727	150	118
2x35 rm	24,0	1160	130	0,524	180	147
2x50 rm	27,0	1550	150	0,387	215	180
2x70 rm	31,0	2100	160	0,268	264	224
2x95 rm	35,0	2800	180	0,193	318	271
2x120 rm	39,0	3450	210	0,153	360	314
2x150 rm	43,0	4200	220	0,124	406	361
2x185 rm	47,0	5200	230	0,0991	458	412
2x240 rm	53,0	6800	210*	0,0754	537	484

re: Single-wire conductor
rm: Stranded conductor

* For 500 m. Cable

0.6/1 kV

PVC INSULATED MULTI-CORE CABLES WITH COPPER CONDUCTOR



YVV(TSE) • NYY(VDE)
Cu/PVC/PVC(BS)

Code	YVV-U, YVV-R (TSE), NYY (VDE), Cu/PVC/PVC (BS)
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper conductor, PVC insulation, PVC filler, PVC outer sheath
Application	Preferably for installation indoors, in cable ducts and in industrial plants or switching stations underground installation with additional protection where mechanical damage is unexpected.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature Cross section ≤ 300 mm ² 160 °C Cross section > 300 mm ² 140 °C Min. Bending radius 12*D D: Cable outer diameter (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x1.5 re	11,0	160	90	12,1	27	19
3x2.5 re	12,0	215	90	7,41	36	25
3x4 re	14,0	310	90	4,61	47	34
3x6 re	15,0	380	100	3,08	59	43
3x10 rm	17,5	550	110	1,83	79	59
3x16 rm	20,0	780	120	1,15	102	79
3x25 rm	23,0	1150	130	0,727	133	100
3x35 rm	26,0	1500	140	0,524	159	125
3x50 rm	29,5	1960	160	0,387	188	153
3x70 rm	33,0	2700	180	0,268	232	195
3x95 rm	38,0	3650	210	0,193	280	238
3x120 rm	41,5	4500	210	0,153	318	275
3x150 rm	45,0	5450	230	0,124	359	320
3x185 rm	50,0	6900	200*	0,0991	406	364
3x240 rm	56,0	8700	220*	0,0754	473	430
3x300 rm	63,0	11250	230*	0,0601	535	510
3x400 rm	71,0	14300	210**	0,0470	613	595

re: Single-wire conductor
rm: Stranded conductor

* For 500 m. Cable
** For 250 m. Cable

0.6/1 kV

PVC INSULATED MULTI CORE CABLES WITH COPPER CONDUCTOR



YVV(TSE) • NYY(VDE)
Cu/PVC/PVC(BS)

Code	YVV-R (TSE), NYY (VDE), Cu/PVC/PVC (BS)
Standards	TS IEC 60502-1, VDE 0276
Construction	Copper conductor, PVC insulation, PVC filler, PVC outer sheath
Application	Preferably for installation indoors, in cable ducts and in industrial plants or switching stations underground installation with additional protection where mechanical damage is unexpected.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature Cross section ≤300 mm² 160 °C Cross section > 300 mm² 140 °C Min. Bending radius 12*D D:Cable outer diameter (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm²	mm	kg/km	cm	ohm/km		
3x16/10 rm	21,5	900	130	1,15	102	79
3x25/16 rm	24,5	1350	140	0,727	133	100
3x35/16 rm	26,5	1700	150	0,524	159	125
3x50/25 rm	31,0	2250	160	0,387	188	153
3x70/35 rm	34,5	3050	200	0,268	232	195
3x95/50 rm	40,0	4050	220	0,193	280	238
3x120/70 rm	43,0	5150	230	0,153	318	275
3x150/70 rm	47,5	6050	240	0,124	359	320
3x185/95 rm	52,5	7750	210*	0,0991	406	364
3x240/120 rm	59,0	9800	230*	0,0754	473	430
3x300/150 rm	66,0	12700	250*	0,0601	535	510
3x400/185 rm	74,0	16000	220**	0,0470	613	595

rm:Stranded conductor

* For 500 m. Cable

** For 250 m. Cable

0.6/1 kV

PVC INSULATED MULTI CORE CABLES WITH COPPER CONDUCTOR



YVV(TSE) • NYY(VDE)
Cu/PVC/PVC(BS)

Code	YVV-U, YVV-R (TSE), NYY (VDE), Cu/PVC/PVC (BS)
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper conductor, PVC insulation, PVC filler, PVC outer sheath
Application	Preferably for installation indoors, in cable ducts and in industrial plants or switching stations underground installation with additional protection where mechanical damage is unexpected.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature Cross section ≤ 300 mm ² 160 °C Cross section > 300 mm ² 140 °C Min. Bending radius 12*D D:Cable outer diameter (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.) ohm/km	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
4x1.5 re	12,0	200	90	12,1	27	19
4x2.5 re	13,0	260	90	7,41	36	25
4x4 re	15,0	350	100	4,61	47	34
4x6 re	16,0	460	110	3,08	59	43
4x10 rm	19,0	680	120	1,83	79	59
4x16 rm	21,0	960	130	1,15	102	79
4x25 rm	25,5	1450	140	0,727	133	100
4x35 rm	28,5	1900	150	0,524	159	125
4x50 rm	32,5	2500	160	0,387	188	153
4x70 rm	36,5	3420	200	0,268	232	195
4x95 rm	42,0	4650	220	0,193	280	238
4x120 rm	46,0	5720	230	0,153	318	275
4x150 rm	51,0	7000	200*	0,124	359	320
4x185 rm	56,0	8800	210*	0,0991	406	364
4x240 rm	63,0	11200	230*	0,0754	473	430
4x300 rm	70,0	14200	230*	0,0601	535	510
4x400 rm	78,0	18000	210**	0,0470	613	595
5x4 re	16,0	420	110	4,61	47	34
5x6 re	17,5	540	120	3,08	59	43
5x10 rm	21,0	825	130	1,83	79	59
5x16 rm	23,5	1160	140	1,15	102	79
5x25 rm	28,0	1740	150	0,727	133	100
5x35 rm	31,5	2320	160	0,524	159	125
5x50 rm	36,0	3020	180	0,387	188	153
5x70 rm	40,5	4160	220	0,268	232	195
5x95 rm	47,0	5750	240*	0,193	280	238
5x120 rm	50,0	7400	200*	0,153	318	275
5x150 rm	55,0	9000	210*	0,124	359	320
5x185 rm	62,0	11500	220*	0,0991	406	364
5x240 rm	69,0	14500	200**	0,0754	473	430

re: Single-wire conductor
rm:Stranded conductor

* For 500 m. Cable
** For 250 m. Cable

0.6/1 kV
PVC INSULATED CABLES WITH COPPER CONDUCTOR

YVV(TSE) • NYY(VDE)
Cu/PVC/PVC(BS)

Code	YVV-U(TSE), NYY (VDE), Cu/PVC/PVC (BS)
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper conductor, PVC insulation, PVC filler, PVC outer sheath
Application	Indoors and outdoors, in cable ducts, underground, in power and switching stations, industrial plants, where there is no risk of mechanical damage.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature 160 °C Min. Bending radius 12*D D:Cable outer diameter (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
5x1.5 re	13,0	235	90	12,1	27	19
7x1.5 re	14,0	290	90	12,1	16	12
10x1.5 re	17,0	400	110	12,1	13	10
12x1.5 re	17,5	440	110	12,1	12	10
14x1.5 re	18,0	495	110	12,1	12	9
19x1.5 re	20,0	630	120	12,1	10	8
21x1.5 re	21,0	700	120	12,1	10	8
24x1.5 re	23,0	800	130	12,1	9	7
30x1.5 re	25,0	950	140	12,1	9	7
40x1.5 re	28,0	1200	150	12,1	8	7
48x1.5 re	31,0	1400	160	12,1	7	6
61x1.5 re	33,0	1800	180	12,1	7	6
5x2.5 re	14,0	310	100	7,41	36	25
7x2.5 re	16,0	390	100	7,41	20	16
10x2.5 re	19,5	520	120	7,41	17	14
12x2.5 re	20,0	600	120	7,41	16	13
14x2.5 re	21,0	680	120	7,41	15	13
19x2.5 re	23,0	860	130	7,41	14	11
21x2.5 re	24,0	950	150	7,41	13	11
24x2.5 re	27,0	1080	160	7,41	12	10
30x2.5 re	29,0	1300	160	7,41	11	9
40x2.5 re	33,0	1700	180	7,41	10	9
48x2.5 re	35,0	2000	210	7,41	10	8
61x2.5 re	39,0	2500	220	7,41	9	8

re: Single-wire conductor

0.6/1 kV

PVC INSULATED MULTI-CORE CABLES CONCENTRIC COPPER CONDUCTOR SCREEN



YVC7V(TSE)
NYCY(VDE)

Code	YVC7V-U,YVC7V-R (TSE),NYCY (VDE)
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper conductor, PVC insulation,PVC filler,concentric copper conductor, PVC outer sheath
Application	In indoor installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching station as well as local supply systems if increased protection is necessary.
Technical Datas	Max. Operating temperature 70 °C Max. Short circuit temperature $\leq 300 \text{ mm}^2$ for 160 °C > 300 mm ² for 140 °C Min. Bending radius 12*D D:Cable outer diameter (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x1.5/1.5 re	13,0	230	90	12,1	27	19
3x2.5/2.5 re	14,0	300	100	7,41	36	25
3x4/4 re	16,0	400	100	4,61	47	34
3x6/6 re	17,0	500	110	3,08	59	43
3x10/10 rm	19,0	700	120	1,83	79	59
3x16/16 rm	22,0	1000	130	1,15	102	79
3x25/16 rm	26,0	1400	140	0,727	133	100
3x35/16 rm	29,0	1800	160	0,524	159	125
3x50/25 rm	32,0	2350	160	0,387	188	153
3x70/35 rm	37,0	3200	200	0,268	232	195
3x95/50 rm	42,0	4300	210	0,193	280	238
3x120/70 rm	45,0	5300	230	0,153	318	275
3x150/70 rm	50,0	6400	240	0,124	359	320
3x185/95 rm	55,0	8050	210	0,0991	406	364
3x240/120 rm	63,0	10500	230	0,0754	473	430
3x300/150 rm	69,0	13100	250	0,0601	535	510
3x400/185 rm	77,0	16400	220	0,0470	613	595

re: Single-wire conductor
rm:Stranded conductor

* For 500 m. Cable
** For 250 m. Cable

0.6/1 kV

PVC INSULATED STEEL WIRE ARMoured MULTI-CORE CABLES WITH COPPER CONDUCTOR



**YVZ3V(TSE)
NYFGbY(VDE)**

Code	YVZ3V-R (TSE), NYFGbY (VDE)
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper conductor, PVC insulation, PVC filler, galvanized flat steel wire armoured, galvanized steel tape, PVC outer sheath
Application	Installation underground, indoor, in ducts and in the open air where mechanical protection is required against higher tensile stress during installation and operation.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature Cross section $\leq 300 \text{ mm}^2$ 160 °C Cross section $> 300 \text{ mm}^2$ 140 °C Min. Bending radius $12 \cdot D$ D: Cable outer diameter (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x16 rm	23,5	1220	140	1,15	102	79
3x25 rm	26,5	1700	140	0,727	133	100
3x35 rm	28,5	2060	140	0,524	159	125
3x50 rm	32,0	2600	160	0,387	188	153
3x70 rm	36,5	3450	200	0,268	232	195
3x95 rm	41,0	4500	220	0,193	280	238
3x120 rm	44,0	5500	160*	0,153	318	275
3x150 rm	49,0	6550	200*	0,124	359	320
3x185 rm	53,0	8100	220*	0,0991	406	364
3x240 rm	60,0	10000	240*	0,0754	473	430
3x300 rm	66,0	13000	200**	0,0601	535	510
3x400 rm	74,0	16000	220**	0,0470	613	595

rm: Stranded conductor

* For 500 m. Cable

** For 250 m. Cable

0.6/1 kV

PVC INSULATED STEEL WIRE ARMoured MULTI-CORE CABLES WITH COPPER CONDUCTOR



YVZ3V(TSE)
NYFGbY(VDE)

Code	YVZ3V-R (TSE), NYFGbY (VDE)
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper conductor, PVC insulation, PVC filler, galvanized flat steel wire armoured, galvanized steel tape, PVC outer sheath
Application	Installation underground, indoor, in ducts and in the open air where mechanical protection is required against higher tensile stress during installation and operation.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature Cross section $\leq 300 \text{ mm}^2$ 160 °C Cross section $> 300 \text{ mm}^2$ 140 °C Min. Bending radius $12 \cdot D$ D: Cable outer diameter (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x16/10 rm	24,5	1325	140	1,15	102	79
3x25/16 rm	28,0	1850	160	0,727	133	100
3x35/16 rm	30,0	2250	160	0,524	159	125
3x50/25 rm	34,0	2900	180	0,387	188	153
3x70/35 rm	38,0	3800	210	0,268	232	195
3x95/50 rm	43,0	4950	230	0,193	280	238
3x120/70 rm	47,0	6150	240	0,153	318	275
3x150/70 rm	51,0	7150	210*	0,124	359	320
3x185/95 rm	56,0	8950	220*	0,0991	406	364
3x240/120 rm	62,0	11000	240*	0,0754	473	430
3x300/150 rm	67,0	14000	210**	0,0601	535	510
3x400/185 rm	78,0	18000	230**	0,0470	613	595

rm: Stranded conductor

* For 500 m. Cable

** For 250 m. Cable

0.6/1 kV

PVC INSULATED STEEL WIRE ARMoured MULTI-CORE CABLES WITH COPPER CONDUCTOR



**YVZ3V(TSE)
NYFGbY(VDE)**

Code	YVZ3V-R (TSE), NYFGbY (VDE)
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper conductor, PVC insulation, PVC filler, galvanized flat steel wire armoured, galvanized steel tape, PVC outer sheath
Application	Installation underground, indoor, in ducts and in the open air where mechanical protection is required against higher tensile stress during installation and operation.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature Cross section ≤300 mm ² 160 °C Cross section > 300 mm ² 140 °C Min. Bending radius 12*D D:Cable outer diameter (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
4x10 rm	22,5	1100	120	1,83	79	59
4x16 rm	25,0	1450	140	1,15	102	79
4x25 rm	28,5	2000	160	0,727	133	100
4x35 rm	31,5	2500	160	0,524	159	125
4x50 rm	35,0	3175	180	0,387	188	153
4x70 rm	40,0	4250	220	0,268	232	195
4x95 rm	45,0	5550	160*	0,193	280	238
4x120 rm	49,0	6800	200*	0,153	318	275
4x150 rm	53,5	8100	220*	0,124	359	320
4x185 rm	59,5	10100	220*	0,0991	406	364
4x240 rm	65,0	12500	200**	0,0754	473	430
4x300 rm	74,0	15900	220**	0,0601	535	510
4x400 rm	81,0	19900	240**	0,0470	613	595
5x10 rm	24,5	1300	130	1,83	79	59
5x16 rm	26,5	1700	150	1,15	102	79
5x25 rm	31,0	2350	160	0,727	133	100
5x35 rm	34,0	3050	160	0,524	159	125
5x50 rm	38,5	3850	200	0,387	188	153
5x70 rm	43,5	5080	230	0,268	232	195
5x95 rm	51,0	6750	180*	0,193	280	238
5x120 rm	53,0	8000	200*	0,153	318	275
5x150 rm	58,0	9900	210*	0,124	359	320
5x185 rm	66,0	12100	180**	0,0991	406	364
5x240 rm	74,0	15500	200**	0,0754	473	430

rm:Stranded conductor

* For 500 m. Cable

** For 250 m. Cable

0.6/1 kV

PVC INSULATED ROUND STEEL WIRE ARMoured CABLES WITH COPPER CONDUCTOR



YVZ2V(TSE)
NYRY(VDE)

Code	YVZ2V-R (TSE), YVZ2V-U, NYRY (VDE)
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper conductor, PVC insulation, PVC filler, galvanized round steel wire armoured, galvanized steel tape, PVC outer sheath
Application	Installation underground, indoor, in ducts and in the open air where mechanical protection is required against higher tensile stress during installation and operation.
Technical Datas	Max. Operating temperature 70 °C Short circuit temperature ≤300 mm² for 160 °C > 300 mm² for 140 °C Min. Bending radius 12*D D:Cable outer diameter (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.) ohm/km	Current carrying capacity in	
					Ground(A)	Air(A)
mm²	mm	kg/km	cm	ohm/km		
3x1.5 re	14,5	380	100	12,1	27	19
3x2.5 re	16,0	440	100	7,41	36	25
3x4 re	17,0	620	120	4,61	47	34
3x6 re	18,5	720	120	3,08	59	43
3x10 rm	21,0	940	120	1,83	79	59
3x16 rm	24,0	1350	140	1,15	102	79
4x1.5 re	15,0	420	100	12,1	27	19
4x2.5 re	16,5	580	110	7,41	36	25
4x4 re	18,0	750	110	4,61	49	34
4x6 re	19,5	850	120	3,08	59	43
4x10 rm	23,5	1250	120	1,83	79	59
4x16 rm	27,0	1700	140	1,15	102	79
4x25 rm	31,0	2300	160	0,727	133	100
4x35 rm	33,0	2800	180	0,524	159	125
4x50 rm	39,0	3850	210	0,387	188	153
4x70 rm	43,0	4950	220	0,268	232	195
4x95 rm	50,0	6950	180*	0,193	280	238
4x120 rm	54,0	8300	210*	0,153	318	275
4x150 rm	58,0	9750	220*	0,124	359	320
4x185 rm	64,0	11850	230*	0,0991	406	364
4x240 rm	71,0	14850	210*	0,0754	473	430
4x300 rm	79,0	19000	220**	0,0601	535	510
4x400 rm	88,0	23500	230**	0,0470	613	595
5x1.5 re	16,5	575	110	12,1	27	19
5x2.5 re	17,5	650	110	7,41	36	25
5x4 re	20,0	850	120	4,61	47	34
5x6 re	21,0	1010	120	3,08	59	43
5x10 rm	25,0	1525	140	1,83	79	59
5x16 rm	29,0	2010	160	1,15	102	79

re: Single-wire conductor
rm: Stranded conductor

* For 500 m. Cable
** For 250 m. Cable

0.6/1 kV

XLPE INSULATED ROUND ALUMINUM WIRE ARMoured SINGLE CORE CABLES WITH COPPER CONDUCTOR



YVY2V-R (TSE)
NYR(A)Y (VDE)

Code	YVY2V-R (TSE), NYR(A)Y (VDE)
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper conductor, PVC insulation, PVC filler, Aluminum Round Wire Armor, PP tape, PVC outer sheath
Application	Installation underground, indoor, in ducts and in the open air where mechanical protection is required against higher tensile stress during installation and operation.
Technical Datas	Max. Operating temperature 70 °C Max. short circuit temperature 160°C Min. Bending radius 15*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground (A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
1x25 rm	17,0	600	100	0,727	160	140
1x35 rm	18,0	750	120	0,524	190	175
1x50 rm	20,0	950	120	0,387	225	210
1x70 rm	22,0	1200	140	0,268	272	270
1x95 rm	24,0	1600	140	0,193	320	330
1x120 rm	26,0	1850	160	0,153	375	385
1x150 rm	28,0	2250	160	0,124	420	448
1x185 rm	31,0	2700	180	0,0991	475	510
1x240 rm	33,0	3350	180	0,0754	550	600

rm:Stranded conductor



4

**Stranded hard drawn
copper conductors for
Overhead lines**

STRANDED HARD DRAWN COPPER CONDUCTORS FOR OVERHEAD LİNES



STRANDED HARD DRAWN COPPER CONDUCTORS FOR

Code	Stranded hard drawn copper conductors for Overhead lines
Standarts	TS 3
Construction	Stranded copper conductors are produced by stranding of hard copper wires to obtain maximum tensile strenght in accordance with TS 3 Standart.Each round wire are produce according to the TS 2 standart.
Technical Datas	This conductors is used in Over Head lines.

Dimensions and Weights				Electrical Information	
Nominal Cross section	Number Of Wire/Wire Dia	Overall diameter approx.	Net weight approx.	Conductor DC (maks.) resistance at 20 °C (maks.)	Calculated min. Break Strength
mm ²		mm	kg/km	ohm/km	kN
10 rm	7/1.32	3,96	85,8	1,915	3,96
16 rm	7/1.70	5,10	142,4	1,154	6,50
25 rm	7/2.12	6,36	221,4	0,742	9,99
35 rm	7/2.50	7,50	308,0	0,534	13,91
50 rm	7/3.00	9,00	443,5	0,369	19,57
50 rm	19/1.80	9,00	436,3	0,384	19,36
70 rm	19/2.12	10,60	605,2	0,275	26,55
95 rm	19/2.50	12,50	841,7	0,198	36,93
120 rm	19/2.80	14,00	1056,0	0,158	45,27
150 rm	37/2.24	15,68	1320,0	0,127	57,73
185 rm	37/2.50	17,50	1644,0	0,102	71,91
240 rm	61/2.24	20,20	2179,0	0,077	95,17
300 rm	61/2.50	22,55	2715,0	0,062	118,56

HARD DRAWN ELECTROLYTIC COPPER WIRE

Code : Solid electrolytic copper wire
 Construction : Hard drawn copper wire is produced in diameter of 1,0-4,0 mm in according to TS 2 standart.
 Standarts : TS 2

SOFT ELECTROLYTIC COPPER WIRE

Code : Solid electrolytic copper wire
 Construction : Soft copper wire is produced in diameter of 0,15-4,0 mm are produced according to TS 18 and ASTM B3-1990
 Standarts : TS 18, ASTM B3-1990

SOFT ELECTROLYTIC COPPER WIRE

Code : Soft Stranded Electrolytic Copper Conductor
 Construction : Soft copper conductor is produced in sizes of 0,5-630 mm² in according to TS 6570 HD 383 S2 and IEC 60228
 Standarts : TS 6570 HD 383 S2, IEC 60228

rm:Stranded conductor



0.6/1 kV Low Voltage XLPE Insulated Power Cables



0.6/1 kV

XLPE INSULATED, PVC SHEATHED, SINGLE CORE WITH COPPER CONDUCTOR POWER CABLES



YXV • N2XY

Code	YXV-U, YXV-R (TSE), N2XY (VDE)
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper Conductor, XLPE Insulation , PVC outer Sheath
Application	These cables have a low dielectric loss, used in energy networks with sudden load change, installed mainly in residential or industrial areas. May be laid outdoors, underground or in ducts.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information				
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in			
					Ground(A)		Air(A)	
mm ²	mm	kg/km	cm	ohm/km	●●●	●●●	●●●	●●●
1x4 re	6,5	75	70	4,61	66	55	56	40
1x6 re	7,0	95	70	3,08	82	68	71	53
1x10 rm	8,5	140	70	1,83	109	90	100	74
1x16 rm	9,0	200	80	1,15	139	115	135	100
1x25 rm	10,5	295	90	0,727	179	149	180	133
1x35 rm	12,0	395	90	0,524	213	178	225	167
1x50 rm	13,0	510	90	0,387	251	211	273	205
1x70 rm	15,0	710	100	0,268	307	259	350	265
1x95 rm	16,5	960	110	0,193	366	310	428	325
1x120 rm	18,5	1200	120	0,153	416	352	495	380
1x150 rm	20,5	1450	130	0,124	465	396	575	442
1x185 rm	23,0	1850	150	0,0991	526	449	660	510
1x240 rm	25,5	2350	160	0,0754	610	521	780	605
1x300 rm	28,0	3000	200	0,0601	689	587	864	690
1x400 rm	32,0	3800	220	0,0470	788	669	1018	810
1x500 rm	36,0	4900	240	0,0366	889	748	1173	930

re: Single-wire conductor

rm:Stranded conductor

0.6/1 kV

XLPE INSULATED, PVC SHEATHED, MULTICORE WITH COPPER CONDUCTOR POWER CABLES



YXV • N2XY

Code	YXV-U, YXV-R (TSE), N2XY (VDE)
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper Conductor, XLPE Insulation ,PVC Filler , PVC Outer Sheath
Application	These cables have a low dielectric loss, used in energy networks with sudden load change, installed mainly in residential or industrial areas. May be laid outdoors, underground or in ducts.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
2x1.5 re	10,5	150	80	12,1	37	26
2x2.5 re	11,0	180	90	7,41	49	36
2x4 re	12,0	230	90	4,61	64	49
2x6 re	13,0	285	100	3,08	79	63
2x10 rm	16,0	450	110	1,83	106	86
2x16 rm	18,0	600	120	1,15	137	115
2x25 rm	21,0	860	130	0,727	176	149
2x35 rm	23,0	1100	130	0,524	213	185
2x50 rm	26,0	1420	150	0,387	252	225
2x70 rm	30,0	2000	180	0,268	-	-
2x95 rm	33,0	2600	200	0,193	-	-
2x120 rm	37,0	3300	220	0,153	-	-
2x150 rm	41,0	4000	230	0,124	-	-
2x185 rm	46,0	5000	240	0,0991	-	-
2x240 rm	50,0	6350	210*	0,0754	-	-

re: Single-wire conductor
rm: Stranded conductor

* For 500 m lenght cables

0.6/1 kV

XLPE INSULATED, PVC SHEATHED, MULTICORE WITH COPPER CONDUCTOR POWER CABLES



YXV • N2XY

Code	YXV-U, YXV-R (TSE), N2XY (VDE)
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper Conductor, XLPE Insulation, PVC Filler, PVC Outer Sheath
Application	These cables have a low dielectric loss, used in energy networks with sudden load change, installed mainly in residential or industrial areas. May be laid outdoors, underground or in ducts.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.) ohm/km	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x1.5 re	11,0	165	90	12,1	30	23
3x2.5 re	12,0	210	90	7,41	40	32
3x4 re	12,5	265	90	4,61	52	42
3x6 re	14,0	345	100	3,08	64	53
3x10 rm	17,0	525	110	1,83	86	73
3x16 rm	19,0	730	120	1,15	111	98
3x25 rm	22,0	1080	130	0,727	143	126
3x35 rm	24,5	1400	140	0,524	173	156
3x50 rm	27,0	1840	160	0,387	205	190
3x70 rm	32,0	2580	180	0,268	252	245
3x95 rm	35,0	3430	200	0,193	303	297
3x120 rm	39,0	4330	220	0,153	346	346
3x150 rm	44,0	5220	230	0,124	390	398
3x185 rm	48,5	6600	210*	0,0991	441	455
3x240 rm	54,0	8350	230*	0,0754	511	535
3x300 rm	60,0	10650	250*	0,0601	580	630
3x400 rm	67,0	13600	220**	0,0470	663	740

re: Single-wire conductor
rm: Stranded conducto

* For 500 m lenght cables
** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED, PVC SHEATHED, MULTICORE WITH COPPER CONDUCTOR POWER CABLES



YXV • N2XY

Code	YXV-U, YXV-R (TSE), N2XY (VDE)
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper Conductor, XLPE Insulation ,PVC Filler , PVC Outer Sheath
Application	These cables have a low dielectric loss, used in energy networks with sudden load change, installed mainly in residential or industrial areas. May be laid outdoors, underground or in ducts.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.) ohm/km	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
4x1.5 re	11,5	190	90	12,1	30	23
4x2.5 re	12,5	240	90	7,41	40	32
4x4 re	13,5	310	90	4,61	52	42
4x6 re	15,0	410	100	3,08	64	53
4x10 rm	18,0	640	110	1,83	86	73
4x16 rm	20,5	890	120	1,15	111	98
4x25 rm	24,0	1300	140	0,727	143	126
4x35 rm	26,5	1750	150	0,524	173	156
4x50 rm	30,0	2300	160	0,387	205	190
4x70 rm	35,0	3250	200	0,268	252	245
4x95 rm	39,0	4350	230	0,193	303	297
4x120 rm	43,0	5500	240	0,153	346	346
4x150 rm	49,0	6700	210*	0,124	390	398
4x185 rm	54,0	8400	220*	0,0991	441	455
4x240 rm	60,5	10750	240*	0,0754	511	535
4x300 rm	66,0	13600	280*	0,0601	580	630
4x400 rm	74,0	17250	230**	0,0470	663	740
5x4 re	15,0	350	90	4,61	52	42
5x6 re	16,0	475	100	3,08	64	53
5x10 rm	20,0	750	110	1,83	86	73
5x16 rm	22,0	1070	120	1,15	111	98
5x25 rm	26,0	1600	140	0,727	143	126
5x35 rm	30,0	2150	150	0,524	173	156
5x50 rm	33,0	2800	160	0,387	205	190
5x70 rm	39,0	4000	200	0,268	252	245
5x95 rm	44,0	5300	230	0,193	303	297
5x120 rm	49,0	6700	240	0,153	346	346
5x150 rm	55,0	6900	210*	0,124	390	398
5x185 rm	61,0	8800	220*	0,0991	441	455
5x240 rm	67,0	11100	240*	0,0754	511	535

re: Single-wire conductor
rm:Stranded conducto

* For 500 m lenght cables
** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED, PVC SHEATHED, MULTICORE WITH COPPER CONDUCTOR POWER CABLES



YXV • N2XY

Code	YXV-R (TSE), N2XY (VDE)
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper Conductor, XLPE Insulation ,PVC Filler , PVC Outer Sheath
Application	These cables have a low dielectric loss, used in energy networks with sudden load change, installed mainly in residential or industrial areas. May be laid outdoors, underground or in ducts.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.) ohm/km	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x16/10 rm	19,5	825	130	1,15	111	98
3x25/16 rm	23,0	1200	140	0,727	143	126
3x35/16 rm	25,0	1540	150	0,524	173	156
3x50/25 rm	29,0	2050	160	0,387	205	190
3x70/35 rm	33,0	2900	200	0,268	252	245
3x95/50 rm	37,0	3850	220	0,193	303	297
3x120/70 rm	41,5	4950	230	0,153	346	346
3x150/70 rm	45,0	5800	240	0,124	390	398
3x185/95 rm	51,0	7450	210*	0,0991	441	455
3x240/120 rm	56,0	9350	230*	0,0754	511	535
3x300/150 rm	63,0	12050	280*	0,0601	580	630
3x400/185 rm	70,0	15400	220**	0,0470	663	740

rm:Stranded conductor

* For 500 m lenght cables

** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED, FLAT STEEL WIRE ARMoured, PVC SHEATHED WITH COPPER CONDUCTOR



YXZ3V • N2XFGBY

Code	YXZ3V, N2XFGBY
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper Conductor, XLPE Insulation, PVC Filler, Galvanized flat steel wire, Galvanized steel tape, PVC Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas. Can be laid outdoors, undergrounds and in areas where sudden mechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x10 rm	19,5	900	120	1,83	86	73
3x16 rm	21,5	1100	130	1,15	111	98
3x25 rm	24,5	1600	140	0,727	143	126
3x35 rm	27,0	1900	150	0,524	173	156
3x50 rm	30,0	2400	180	0,387	205	190
3x70 rm	35,0	3200	210	0,268	252	245
3x95 rm	38,0	4200	220	0,193	303	297
3x120 rm	42,0	5100	230	0,153	346	346
3x150 rm	47,0	6200	240	0,124	390	398
3x185 rm	52,0	7800	220*	0,0991	441	455
3x240 rm	57,0	9550	240*	0,0754	511	535
3x300 rm	63,0	12100	280*	0,0601	580	630
3x400 rm	73,0	15750	230**	0,0470	663	740

rm: Stranded conducto

* For 500 m lenght cables

** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED, FLAT STEEL WIRE ARMoured, PVC SHEATHED WITH COPPER CONDUCTOR



YXZ3V • N2XFGBY

Code	YXZ3V, N2XFGBY
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper Conductor, XLPE Insulation, PVC Filler, Galvanized flat steel wire, Galvanized steel tape, PVC Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas. Can be laid outdoors, undergrounds and in areas where sudden mechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x16/10 rm	22,0	1200	140	1,15	111	98
3x25/16 rm	25,0	1650	150	0,727	143	126
3x35/16 rm	27,0	2000	160	0,524	173	156
3x50/25 rm	31,0	2650	180	0,387	205	190
3x70/35 rm	35,5	3550	210	0,268	252	245
3x95/50 rm	39,5	4600	230	0,193	303	297
3x120/70 rm	44,0	5800	240	0,153	346	346
3x150/70 rm	48,0	6750	240	0,124	390	398
3x185/95 rm	53,0	8500	220*	0,0991	441	455
3x240/120 rm	58,0	10600	240*	0,0754	511	535
3x300/150 rm	65,0	13600	220**	0,0601	580	630
3x400/185 rm	75,0	17000	240**	0,0470	663	740

rm: Stranded conducto

* For 500 m lenght cables

** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED, FLAT STEEL WIRE ARMoured, PVC SHEATHED WITH COPPER CONDUCTOR



YXZ3V • N2XFGBY

Code	YXZ3V, N2XFGBY
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper Conductor, XLPE Insulation, PVC Filler, Galvanized flat steel wire, Galvanized steel tape, PVC Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas. Can be laid outdoors, undergrounds and in areas where sudden mechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.) ohm/km	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
4x10 rm	21,0	1000	120	1,83	86	73
4x16 rm	23,0	1300	140	1,15	111	98
4x25 rm	26,5	1800	160	0,727	143	126
4x35 rm	30,0	2300	180	0,524	173	156
4x50 rm	33,0	2900	200	0,387	205	190
4x70 rm	37,5	4000	220	0,268	252	245
4x95 rm	41,5	5100	230	0,193	303	297
4x120 rm	46,5	6500	240	0,153	346	346
4x150 rm	52,0	7700	210*	0,124	390	398
4x185 rm	57,0	9700	220*	0,0991	441	455
4x240 rm	63,0	12000	240*	0,0754	511	535
4x300 rm	70,0	15300	240**	0,0601	580	630
4x400 rm	81,0	19750	260**	0,0470	663	740
5x10 rm	22,5	1100	120	1,83	86	73
5x16 rm	25,0	1450	140	1,15	111	98
5x25 rm	29,0	2020	160	0,727	143	126
5x35 rm	32,0	2600	180	0,524	173	156
5x50 rm	36,0	3300	200	0,387	205	190
5x70 rm	41,5	4450	220	0,268	252	245
5x95 rm	46,0	5700	230	0,193	303	297
5x120 rm	51,0	7100	240	0,153	346	346
5x150 rm	57,0	8600	210*	0,124	390	398
5x185 rm	63,0	10600	220*	0,0991	441	455
5x240 rm	70,0	13300	240*	0,0754	511	535

rm: Stranded conducto

* For 500 m lenght cables

** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED , ROUND STEEL WIRE ARMoured , PVC SHEATHED WITH COPPER CONDUCTOR



YXZ2V • N2XRGBY

Code	YXZ2V, N2XRY
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper Conductor, XLPE Insulation, PVC Filler, Galvanized round steel wire, Galvanized steel tape, PVC Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas. Can be laid outdoors, undergrounds and in areas where sudden mechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x1.5 re	13,5	340	90	12,1	30	23
3x2.5 re	14,5	400	100	7,41	40	32
3x4 re	15,0	480	100	4,61	52	42
3x6 re	16,5	570	110	3,08	64	53
3x10 rm	20,0	1000	120	1,83	86	73
3x16 rm	23,0	1400	130	1,15	111	98
3x25 rm	26,0	1900	140	0,727	143	126
3x35 rm	28,0	2100	150	0,524	173	156
3x50 rm	31,0	2600	180	0,387	205	190
3x70 rm	37,0	3800	210	0,268	252	245
3x95 rm	40,0	4800	220	0,193	303	297
3x120 rm	44,0	5800	230	0,153	346	346
3x150 rm	50,0	7300	240	0,124	390	398
3x185 rm	55,0	9000	220*	0,0991	441	455
3x240 rm	60,0	10900	240*	0,0754	511	535
3x300 rm	67,0	13500	280*	0,0601	580	630
3x400 rm	74,0	16500	230**	0,0470	663	740

re: Single-wire conductor
rm: Stranded conductor

* For 500 m lenght cables
** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED, ROUND STEEL WIRE ARMoured, PVC SHEATHED WITH COPPER CONDUCTOR POWER CABLES



YXZ2V • N2XRGBY

Code	YXZ2V, N2XRY
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper Conductor, XLPE Insulation, PVC Filler, Galvanized round steel wire, Galvanized steel tape, PVC Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas. Can be laid outdoors, undergrounds and in areas where sudden mechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x16/10 rm	24,0	1400	140	1,15	111	98
3x25/16 rm	27,0	1900	150	0,727	143	126
3x35/16 rm	29,5	2300	160	0,524	173	156
3x50/25 rm	33,0	3000	180	0,387	205	190
3x70/35 rm	38,0	4200	210	0,268	252	245
3x95/50 rm	42,0	5300	230	0,193	303	297
3x120/70 rm	48,0	7000	240	0,153	346	346
3x150/70 rm	52,0	8000	240	0,124	390	398
3x185/95 rm	57,0	10000	220*	0,0991	441	455
3x240/120 rm	62,0	12000	240*	0,0754	511	535
3x300/150 rm	64,0	15300	220**	0,0601	580	630
3x400/185 rm	80,0	21000	240**	0,0470	663	740

rm: Stranded conducto

* For 500 m lenght cables

** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED, ROUND STEEL WIRE ARMoured, PVC SHEATHED WITH COPPER CONDUCTOR POWER CABLES



YXZ2V • N2XRY

Code	YXZ2V-U, YXZ2V-R (TSE), N2XRY (VDE)
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper Conductor, XLPE Insulation, PVC Filler, Galvanized round steel wire, Galvanized steel tape, PVC Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas. Can be laid outdoors, undergrounds and in areas where sudden mechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
4x1.5 re	14,0	400	100	12,1	30	23
4x2.5 re	15,0	450	100	7,41	40	32
4x4 re	16,0	550	110	4,61	52	43
4x6 re	18,0	750	120	3,08	64	53
4x10 rm	23,0	1200	120	1,83	86	73
4x16 rm	25,0	1500	140	1,15	111	98
4x25 rm	28,0	2100	160	0,727	143	126
4x35 rm	31,0	2600	180	0,524	173	156
4x50 rm	35,0	3500	200	0,387	205	190
4x70 rm	40,0	4600	220	0,268	252	245
4x95 rm	44,0	5900	230	0,193	303	297
4x120 rm	50,0	7600	240	0,153	346	346
4x150 rm	54,0	8900	210*	0,124	390	398
4x185 rm	59,0	10900	220*	0,0991	441	455
4x240 rm	64,0	13300	240*	0,0754	511	535
4x300 rm	75,0	16700	230**	0,0601	580	630
4x400 rm	83,0	22000	260**	0,0470	663	740
5x1.5 re	15,0	420	100	12,1	30	23
5x2.5 re	16,0	500	100	7,41	40	32
5x4 re	19,0	750	110	4,61	52	42
5x6 re	20,0	900	110	3,08	64	53
5x10 rm	24,0	1450	120	1,83	86	73
5x16 rm	27,0	1850	140	1,15	111	98
5x25 rm	31,0	2500	160	0,727	433	126
5x35 rm	34,0	3200	180	0,524	173	156
5x50 rm	39,0	4200	200	0,387	205	190
5x70 rm	44,0	5700	220	0,268	252	245
5x95 rm	49,0	7600	230	0,193	303	297
5x120 rm	54,5	9300	200*	0,153	346	346
5x150 rm	59,5	11000	220*	0,124	390	398
5x185 rm	64,0	13400	240*	0,0991	441	455
5x240 rm	70,0	16400	220**	0,0754	511	535

0.6/1 kV

XLPE INSULATED, PVC SHEATHED WITH COPPER CONDUCTOR POWER CONTROL CABLES



YXV • N2XY

Code	YXV-U (TSE), N2XY (VDE)
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper Conductor, XLPE Insulation,PVC filler, PVC Outer Sheath
Application	Is used as control cable in Power stations and factories where signaling is required. Can be laid indoors, outdoors, underground or in ducts.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
5x1.5 re	12,0	220	90	12,1	30	23
7x1.5 re	13,0	230	90	12,1	18	16
10x1.5 re	16,0	270	100	12,1	15	13
12x1.5 re	16,0	450	110	12,1	14	13
14x1.5 re	16,5	500	110	12,1	14	12
19x1.5 re	17,0	520	120	12,1	12	11
21x1.5 re	20,5	610	120	12,1	11	10
24x1.5 re	22,0	690	130	12,1	11	10
30x1.5 re	23,5	850	140	12,1	10	9
40x1.5 re	26,0	1040	150	12,1	9	8
48x1.5 re	28,5	1220	160	12,1	8	8
61x1.5 re	31,0	1500	180	12,1	6	6
5x2.5 re	14,0	300	90	7,41	40	32
7x2.5 re	14,5	350	100	7,41	24	21
10x2.5 re	17,5	520	110	7,41	20	18
12x2.5 re	18,0	570	110	7,41	19	17
14x2.5 re	19,0	620	120	7,41	18	16
19x2.5 re	21,0	750	120	7,41	16	14
21x2.5 re	22,5	850	130	7,41	15	14
24x2.5 re	25,0	1000	130	7,41	14	13
30x2.5 re	26,0	1150	150	7,41	13	12
40x2.5 re	29,0	1500	160	7,41	12	11
48x2.5 re	32,0	1750	160	7,41	11	11
61x2.5 re	34,5	2150	180	7,41	10	10

re: Single-wire conductor

0.6/1 kV

XLPE INSULATED, CONCENTRIC WIRE SCREENED, PVC SHEATHED WITH COPPER CONDUCTOR



YXC7V • N2XCY

Code	YXC7V, N2XCY
Standarts	TS IEC 60502-1, VDE 0276
Construction	Copper Conductor, XLPE Insulation ,PVC Filler , Copper wires screen,Copper tape, PVC Outer Sheath.
Application	These cables have a low dielectric loss, used in energy networks with sudden load change,installed mainly in residential or industrial areas. May be laid outdoors, underground or in ducts.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x10/10 rm	19,0	700	120	1,83	86	73
3x16/16 rm	21,0	920	130	1,15	111	98
3x25/16 rm	25,0	1300	140	0,727	143	126
3x35/16 rm	27,0	1650	160	0,524	173	156
3x50/25 rm	31,0	2220	160	0,387	205	190
3x70/35 rm	36,0	3100	200	0,268	252	245
3x95/50 rm	41,0	4200	230	0,193	303	297
3x120/70 rm	44,0	5200	240	0,153	346	346
3x150/70 rm	48,0	6100	210*	0,124	390	398
3x185/95 rm	54,0	7900	220*	0,0991	441	455
3x240/120 rm	60,0	9950	240*	0,0754	511	535

rm:Stranded conductor

* For 500 m lenght cables

0.6/1 kV

XLPE INSULATED ALUMINUM WIRE ARMoured PVC SHEATHED WITH COPPER CONDUCTOR



**YXY2V
N2XR(A)Y**

Code	YXY2V, N2XR(A)Y
Standarts	TS IEC 60502-1, VDE 0271
Construction	Copper Conductor, XLPE Insulation , PVC Filler, Aluminum Round Wire, PP retaining band, PVC Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas. Can be laid outdoors, undergrounds and in areas where sudden mechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground (A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
1x25 rm	16,0	500	120	0,727	179	180
1x35 rm	18,0	650	120	0,524	213	225
1x50 rm	20,0	800	140	0,387	251	273
1x70 rm	22,0	1000	140	0,268	307	350
1x95 rm	24,0	1300	140	0,193	366	428
1x120 rm	27,0	1600	160	0,153	416	495
1x150 rm	30,0	1950	160	0,124	465	575
1x185 rm	32,0	2350	180	0,0991	526	660
1x240 rm	34,0	2900	200	0,0754	610	780
1x300 rm	37,0	3850	220	0,0601	689	864
1x400 rm	41,0	4900	230	0,0470	788	1018

rm:Stranded conductor

6

**Halogen free
Fire Retardant and
Fire Resistant Cables**



450/750 V

HALOJEN FREE AND FLAME RETARDANT SINGLE CORE CABLES WITH COPPER CONDUCTOR



H05Z1-U
H07Z1-U
H07Z1-R

Code	H07Z1-U, H07Z1-R (TSE)
Standarts	TS EN 50525-3-31
Construction	Copper Conductor, HFFR Insulation
Application	Used in energy networks in hotels, schools, high constructions, hospitals, power plants, data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 70 °C Max. short circuit temperature 160 °C

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Standart delivery lenght	Conductor DC (maks.) resistance at 20 °C	Current carrying capacity in	
					Conduit (A)	Air (A)
mm ²	mm	kg/km	m	ohm/km		
*0.75 re	2,2	11	100	24,5	-	15
*1.0 re	2,3	14	100	18,1	11	19
1.5 re	2,8	20	100	12,1	14	24
2.5 re	3,4	31	100	7,41	19	32
4 re	3,8	45	100	4,61	26	42
6 re	4,3	64	100	3,08	34	54
10 rm	6,1	115	100	1,83	46	73
16 rm	6,8	170	100	1,15	61	98
25 rm	8,4	260	100	0,727	80	129
35 rm	9,5	355	1000	0,524	99	158
50 rm	11,0	480	1000	0,387	119	198
70 rm	13,0	670	1000	0,268	151	245
95 rm	14,7	920	1000	0,193	182	292
120 rm	16,2	1150	1000	0,153	210	344
150 rm	18,2	1400	1000	0,124	-	391
185 rm	20,2	1800	1000	0,0991	-	448
240 rm	22,5	2300	1000	0,0754	-	528
300 rm	26,0	2950	1000	0,0601	-	608
400 rm	29,0	3850	1000	0,0470	-	72

re: Single-wire conductor
rm: Stranded conductor

450/750 V

HALOJEN FREE AND FLAME RETARDANT SINGLE CORE FLEXIBLE CABLES WITH COPPER CONDUCTOR



H05Z1-K • H07Z1-K

Code	H05Z1-K, H07Z1-K (TSE)
Standarts	TS EN 50525-3-31
Construction	Flexible Copper Conductor, HFFR Insulation
Application	Used in energy networks in hotels,schools, high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 70 °C Max. short circuit temperature 160 °C

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Standart delivery lenght	Conductor DC (maks.) resistance at 20 °C	Current carrying capacity in	
					Conduit (A)	Air (A)
mm ²	mm	kg/km	m	ohm/km		
*0,75	2,3	12	100	26,0	-	15
*1.0	2,5	15	100	19,5	11	19
1.5	2,9	20	100	13,3	14	24
2.5	3,6	32	100	7,98	19	32
4	4,3	48	100	4,95	26	42
6	4,9	68	100	3,30	34	54
10	6,3	120	100	1,91	46	73
16	8,0	180	100	1,21	61	98
25	9,6	275	100	0,780	80	129
35	11,0	370	1000	0,554	99	158
50	13,3	520	1000	0,386	119	198
70	15,5	728	1000	0,272	151	245
95	18,0	950	1000	0,206	182	292
120	20,0	1200	1000	0,161	210	344
150	22,0	1490	1000	0,129	-	391
185	25,0	1850	1000	0,106	-	448
240	28,0	2420	1000	0,0801	-	528

*H05Z1-K

300/500 V

HALOJEN FREE AND FLAME RETARDANT MULTICORE CABLES WITH COPPER CONDUCTOR



NHXMH

Code	NHXMH (TSE), (VDE)
Standarts	DIN VDE 0250-214, TSE K 328
Construction	Copper Conductor, XLPE Insulation, HFFR filler , HFFR Outer Sheath
Application	Used in energy networks in hotels,schools, high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross-section	Overall Diameter	Net Weight	Standart delivery lenght	Conductor DC (maks.) resistance at 20 °C	Current carrying capacity in
mm ²	mm	kg/km	m	ohm/km	Air (A)
2x1.5 re	8,4	105	100	12,1	22
2x2.5 re	9,2	135	100	7,41	30
2x4 re	10,5	190	100	4,61	40
2x6 re	11,5	250	100	3,08	50
2x10 rm	15,3	400	1000	1,83	70
2x16 rm	17,5	550	1000	1,15	93
2x25 rm	21,0	780	1000	0,727	108
2x35 rm	23,0	1050	1000	0,524	135
3x1.5 re	9,0	120	100	12,1	22
3x2.5 re	10,0	160	100	7,41	30
3x4 re	11,0	220	100	4,61	40
3x6 re	12,5	300	100	3,08	50
3x10 rm	16,0	510	1000	1,83	70
3x16 rm	18,0	660	1000	1,15	93
3x25 rm	22,0	1050	1000	0,727	108
3x35 rm	24,5	1400	1000	0,524	135
4x1.5 re	9,5	140	100	12,1	18
4x2.5 re	10,5	190	100	7,41	24
4x4 re	12,5	290	100	4,61	32
4x6 re	14,0	380	100	3,08	42
4x10 rm	17,5	600	1000	1,83	60
4x16 rm	20,0	850	1000	1,15	80
4x25 rm	24,0	1275	1000	0,727	100
4x35 rm	27,0	1670	1000	0,524	124
5x1.5 re	10,0	167	1000	12,1	18
5x2.5 re	11,0	230	1000	7,41	24
5x4 re	14,0	350	1000	4,61	32
5x6 re	15,0	470	1000	3,08	42
5x10 rm	19,0	750	1000	1,83	60
5x16 rm	22,0	1100	1000	1,15	80
5x25 rm	27,0	1670	1000	0,727	100
5x35 rm	30,0	2300	1000	0,524	124

300/500 V

HALOJEN FREE AND FLAME RETARDANT MULTICORE CABLES WITH COPPER CONDUCTOR



NHMH

Code	NHMH (TSE), (VDE)
Standarts	DIN VDE 0250-215, TSE K 372
Construction	Copper Conductor, XLPE Insulation, HFFR filler , HFFR Outer Sheath
Application	Used in energy networks in hotels,schools, high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 70 °C Max. short circuit temperature 160 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross-section	Overall Diameter	Net Weight	Standart delivery lenght	Conductor DC (maks.) resistance at 20 °C	Current carrying capacity in
mm ²	mm	kg/km	m	ohm/km	Air (A)
2x1.5 re	9,0	120	100	12,1	22
2x2.5 re	10,0	150	100	7,41	30
2x4 re	11,0	200	100	4,61	40
2x6 re	12,0	250	100	3,08	50
2x10 rm	15,0	450	1000	1,83	70
2x16 rm	17,0	600	1000	1,15	93
2x25 rm	21,0	875	1000	0,727	108
2x35 rm	23,0	1150	1000	0,524	135
3x1.5 re	9,5	135	100	12,1	22
3x2.5 re	10,5	190	100	7,41	30
3x4 re	11,5	250	100	4,61	40
3x6 re	13,0	330	100	3,08	50
3x10 rm	16,5	525	1000	1,83	70
3x16 rm	18,5	770	1000	1,15	93
3x25 rm	22,0	1100	1000	0,727	108
3x35 rm	23,0	1450	1000	0,524	135
4x1.5 re	10,0	160	100	12,1	18
4x2.5 re	11,0	210	100	7,41	24
4x4 re	13,0	310	100	4,61	32
4x6 re	15,0	420	100	3,08	42
4x10 rm	18,0	640	1000	1,83	60
4x16 rm	21,0	925	1000	1,15	80
4x25 rm	26,0	1400	1000	0,727	100
4x35 rm	29,0	1850	1000	0,524	124
5x1.5 re	11,0	190	1000	12,1	18
5x2.5 re	12,5	260	1000	7,41	24
5x4 re	14,5	390	1000	4,61	32
5x6 re	16,0	500	1000	3,08	42
5x10 rm	20,0	800	1000	1,83	60
5x16 rm	24,0	1250	1000	1,15	80
5x25 rm	27,0	1700	1000	0,727	100
5x35 rm	31,0	2400	1000	0,524	124

300/500 V

HALOJEN FREE AND FLAME RETARDANT FLEXIBLE MULTICORE WITH COPPER CONDUCTOR CABLES



052XZ1-F

Code	052XZ1-F (TSE)
Standarts	DIN VDE 0250-214, TS 13751
Construction	Flexible Copper Conductor, HFFR Insulation, HFFR filler , HFFR Outer Sheath
Application	Used in energy networks in hotels,schools, high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire..
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 6*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross-section	Overall Diameter	Net Weight	Standart delivery lenght	Conductor DC (maks.) resistance at 20 °C	Current carrying capacity in
					Air (A)
mm ²	mm	kg/km	m	ohm/km	
2x0.75	6,0	80	100	26,0	14
2x1	6,5	90	100	19,5	17
2x1.5	8,0	105	100	13,3	22
2x2.5	9,0	135	100	7,98	30
2x4	11,0	200	100	4,95	40
2x6	12,0	250	100	3,30	50
2x10	15,0	400	1000	1,91	70
2x16	17,5	550	1000	1,21	93
2x25	21,0	780	1000	0,780	108
2x35	23,0	1050	1000	0,554	135
3x0.75	6,5	90	100	26,0	14
3x1	7,0	100	100	19,5	17
3x1.5	8,5	120	100	13,3	22
3x2.5	9,5	160	100	7,98	30
3x4	11,5	235	100	4,95	40
3x6	13,0	310	100	3,30	50
3x10	16,0	510	1000	1,91	70
3x16	18,0	660	1000	1,21	93
3x25	22,0	1050	1000	0,780	108
3x35	24,5	1400	1000	0,554	135
4x0.75	7,0	100	100	26,0	12
4x1	7,5	120	100	19,5	15
4x1.5	9,0	140	100	13,3	18
4x2.5	10,5	190	100	7,98	24
4x4	13,0	300	100	4,95	32
4x6	15,0	420	100	3,30	42
4x10	17,5	610	1000	1,91	60
4x16	21,0	850	1000	1,21	80
4x25	24,0	1275	1000	0,780	100
4x35	27,0	1670	1000	0,554	124
5x0.75	8,0	130	100	26,0	12
5x1	8,5	150	100	19,5	15
5x1.5	10,0	190	1000	13,3	18
5x2.5	11,0	265	1000	7,98	24
5x4	14,0	410	1000	4,95	32



0.6/1 kV

XLPE INSULATED, HALOJEN FREE, FLAME RETARDANT SINGLE CORE WITH COPPER CONDUCTOR



N2XH

Code	N2XH
Standarts	TS HD 604 S1 ,VDE 0276
Construction	Copper Conductor, XLPE Insulation, HFFR Outer Sheath
Application	Used in energy networks in hotels,schools, high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 90°C Max. short circuit temperature 250°C Min. Bending radius 15*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Air(A)	
mm ²	mm	kg/km	cm	ohm/km	●●●	●●●
1x4 re	6,5	70	70	4,61	56	40
1x6 re	7,0	90	70	3,08	71	53
1x10 rm	8,5	130	70	1,83	100	74
1x16 rm	9,5	195	80	1,15	135	100
1x25 rm	11,0	290	90	0,727	180	133
1x35 rm	12,0	380	90	0,524	225	167
1x50 rm	13,5	500	90	0,387	273	205
1x70 rm	16,0	710	100	0,268	350	265
1x95 rm	17,0	950	110	0,193	428	325
1x120 rm	19,0	1200	120	0,153	495	380
1x150 rm	21,0	1400	130	0,124	575	442
1x185 rm	23,5	1820	140	0,0991	660	510
1x240 rm	26,0	2320	160	0,0754	780	605
1x300 rm	28,0	3020	200	0,0601	864	690
1x400 rm	32,0	3820	220	0,0470	1018	810
1x500 rm	36,0	4850	240	0,0366	1173	930

re: Single-wire conductor
rm:Stranded conductor

0.6/1 kV

XLPE INSULATED, HALOJEN FREE, FLAME RETARDANT MULTICORE WITH COPPER CONDUCTOR



N2XH

Code	N2XH
Standarts	TS HD 604 S1 ,VDE 0276
Construction	Copper Conductor, HFFR Insulation, HFFR filler , HFFR Outer Sheath
Application	Used in energy networks in hotels,schools, high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire..
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in
					Air(A)
mm ²	mm	kg/km	cm	ohm/km	
2x1.5 re	9,5	120	80	12,1	26
2x2.5 re	10,0	150	90	7,41	36
2x4 re	11,0	200	90	4,61	49
2x6 re	12,0	250	100	3,08	63
2x10 rm	15,0	420	100	1,83	86
2x16 rm	17,0	550	120	1,15	115
2x25 rm	20,0	820	130	0,727	149
2x35 rm	22,5	1050	130	0,524	185
2x50 rm	25,5	1400	150	0,387	225
2x70 rm	29,0	1950	160	0,268	245
2x95 rm	33,0	2550	180	0,193	297
2x120 rm	36,0	3250	220	0,153	346
2x150 rm	40,5	3950	220	0,124	398
2x185 rm	45,0	5000	240	0,099	455
2x240 rm	49,0	6200	220*	0,0754	535

re: Single-wire conductor
rm:Stranded conductor

* For 500 m lenght cables

0.6/1 kV

XLPE INSULATED, HALOJEN FREE, FLAME RETARDANT MULTICORE WITH COPPER CONDUCTOR



N2XH

Code	N2XH
Standarts	TS HD 604 S1 ,VDE 0276
Construction	Copper Conductor, HFFR Insulation, HFFR filler , HFFR Outer Sheath
Application	Used in energy networks in hotels,schools, high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire..
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in
mm ²	mm	kg/km	cm	ohm/km	Air(A)
3x1.5 re	9,5	135	90	12,1	23
3x2.5 re	10,5	175	90	7,41	32
3x4 re	12,0	240	90	4,61	42
3x6 re	13,0	320	100	3,08	53
3x10 rm	16,0	520	110	1,83	73
3x16 rm	18,0	710	120	1,15	98
3x25 rm	21,5	1040	130	0,727	126
3x35 rm	24,0	1350	140	0,524	156
3x50 rm	27,0	1780	160	0,387	190
3x70 rm	31,5	2500	180	0,268	245
3x95 rm	35,0	3300	200	0,193	297
3x120 rm	39,0	4250	230	0,153	346
3x150 rm	43,5	5100	240	0,124	398
3x185 rm	48,0	6400	200*	0,0991	455
3x240 rm	53,0	8200	220*	0,0754	535
3x300 rm	59,0	10200	240*	0,0601	630
3x400 rm	66,0	13000	240**	0,0470	740

re: Single-wire conductor
rm:Stranded conductor

* For 500 m lenght cables
** For 250 m lenght cables

0.6/1 kV
XLPE INSULATED, HALOJEN FREE, FLAME RETARDANT MULTICORE WITH COPPER CONDUCTOR

N2XH

Code	N2XH
Standarts	TS HD 604 S1 ,VDE 0276
Construction	Copper Conductor, HFFR Insulation, HFFR filler , HFFR Outer Sheath
Application	Used in energy networks in hotels,schools, high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire..
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in
					Air(A)
mm ²	mm	kg/km	cm	ohm/km	
3x16/10 rm	19,5	800	120	1,15	98
3x25/16 rm	23,0	1200	130	0,727	126
3x35/16 rm	24,5	1500	140	0,524	156
3x50/25 rm	28,5	2050	160	0,387	190
3x70/35 rm	33,0	2850	180	0,268	245
3x95/50 rm	36,5	3800	220	0,193	297
3x120/70 rm	41,0	4850	240	0,153	346
3x150/70 rm	44,5	5700	240	0,124	398
3x185/95 rm	49,5	7300	210*	0,0991	455
3x240/120 rm	54,5	9200	240*	0,0754	535
3x300/150 rm	63,0	11700	250*	0,0601	630
3x400/185 rm	70,0	15000	210**	0,0470	740

rm:Stranded conductor

* For 500 m lenght cables

** For 250 m lenght cables

0.6/1 k

XLPE INSULATED HALOJEN FREE FLAME RETARDANT MULTICORE WITH COPPER CONDUCTOR


N2XH

Code	N2XH
Standarts	TS HD 604 S1 ,VDE 0276
Construction	Copper Conductor, XLPE Insulation, HFFR filler , HFFR Outer Sheath
Application	Used in energy networks in hotels,schools, high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross - section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in
					Air(A)
mm ²	mm	kg/km	cm	ohm/km	
4x1.5 re	10,5	160	90	12,1	23
4x2.5 re	11,5	210	90	7,41	32
4x4 re	13,5	290	90	4,61	42
4x6 re	14,0	385	100	3,08	53
4x10 rm	18,0	640	110	1,83	73
4x16 rm	20,0	880	120	1,15	98
4x25 rm	24,0	1300	140	0,727	126
4x35 rm	27,0	1750	150	0,524	156
4x50 rm	30,0	2300	160	0,387	190
4x70 rm	35,0	3200	200	0,268	245
4x95 rm	38,5	4250	230	0,193	297
4x120 rm	43,0	5400	240	0,153	346
4x150 rm	48,5	6550	210*	0,124	398
4x185 rm	53,5	8300	230*	0,0991	455
4x240 rm	59,0	10400	240*	0,0754	535
4x300 rm	66,0	13200	280*	0,0601	630
4x400 rm	74,0	16900	230**	0,0470	740
5x4 re	14,0	350	90	4,61	42
5x6 re	16,0	480	100	3,08	53
5x10 rm	19,0	750	110	1,83	73
5x16 rm	22,0	1100	120	1,15	98
5x25 rm	26,0	1600	140	0,727	126
5x35 rm	29,0	2100	150	0,524	156
5x50 rm	33,0	2800	160	0,387	190
5x70 rm	38,5	4000	200	0,268	245
5x95 rm	43,0	5300	230	0,193	297
5x120 rm	48,0	6700	240	0,153	346
5x150 rm	53,0	8100	210*	0,124	398
5x185 rm	59,0	8700	230*	0,0991	455
5x240 rm	65,0	10950	240*	0,0754	535

re:Single-wire conductor • rm:Stranded conductor

* For 500 m lenght cables • ** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED, HALOJEN FREE, FLAME RETARDANT WITH COPPER CONDUCTOR CONTROL CABLES



N2XH

Code	N2XH
Standarts	TS HD 604 S1 ,VDE 0276
Construction	Copper Conductor, HFFR Insulation, HFFR filler , HFFR Outer Sheath
Application	Used in energy networks in hotels,schools, high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire..
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in
					Air(A)
mm ²	mm	kg/km	cm	ohm/km	
5x1.5 re	12,5	200	90	12,1	23
7x1.5 re	13,5	250	90	12,1	16
10x1.5 re	16,0	350	110	12,1	13
12x1.5 re	17,0	400	110	12,1	13
14x1.5 re	17,5	450	110	12,1	12
19x1.5 re	19,0	550	120	12,1	11
21x1.5 re	20,5	650	120	12,1	10
24x1.5 re	22,5	750	130	12,1	10
30x1.5 re	23,5	850	140	12,1	9
40x1.5 re	26,5	1050	150	12,1	8
48x1.5 re	28,5	1250	160	12,1	8
61x1.5 re	31,0	1600	180	12,1	6
5x2.5 re	14,0	275	90	7,41	32
7x2.5 re	16,0	325	100	7,41	21
10x2.5 re	19,5	450	120	7,41	18
12x2.5 re	20,0	550	120	7,41	17
14x2.5 re	20,0	600	120	7,41	16
19x2.5 re	22,0	750	120	7,41	14
21x2.5 re	23,0	850	130	7,41	14
24x2.5 re	26,0	925	140	7,41	13
30x2.5 re	28,0	1150	150	7,41	12
40x2.5 re	31,0	1450	160	7,41	11
48x2.5 re	33,0	1700	180	7,41	11
61x2.5 re	36,0	2100	200	7,41	10

re:Single-wire conductor

0.6/1 kV

XLPE INSULATED, HALOJEN FREE, FLAME RETARDANT, CONCENTRIC WIRE SCREENED WITH COPPER CONDUCTOR POWER CABLES



N2XCH

Code	N2XCH
Standarts	TS HD 604 S1 ,VDE 0276
Construction	Copper Conductor, XLPE Insulation ,HFFR Filler, Copper wires screen, Copper tape,HFFR Outer Sheath
Application	Used in energy networks in hotels,schools, high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire..
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in
mm ²	mm	kg/km	cm	ohm/km	Air(A)
3x1.5/1.5 re	13,0	230	90	12,1	23
3x2.5/2.5 re	14,0	300	90	7,41	32
3x4/4 re	16,0	400	90	4,61	42
3x6/6 re	17,0	500	100	3,08	53
3x10/10 rm	19,0	700	110	1,83	73
3x16/16 rm	22,0	1000	120	1,15	98
3x25/16 rm	26,0	1400	140	0,727	126
3x35/16 rm	29,0	1800	150	0,524	156
3x50/25 rm	32,0	2350	160	0,387	190
3x70/35 rm	37,0	3200	200	0,268	245
3x95/50 rm	42,0	4300	230	0,193	297
3x120/70 rm	45,0	5300	240	0,153	346
3x150/70 rm	50,0	6400	210*	0,124	398
3x185/95 rm	55,0	8050	230*	0,0991	455
3x240/120 rm	63,0	10500	240*	0,0754	535

re:Single-wire conductor
rm:Stranded conductor

* For 500 m lenghtcables

0.6/1 kV

XLPE INSULATED, HALOJEN FREE , FLAME RETARDANT , FLAT STEEL WIRE ARMoured WITH COPPER CONDUCTOR POWER CABLES



**YXZ3Z1
N2XFGBH
CU/XLPE/SWA/LSF**

Code	YXZ3Z1 (N2XFGBH), CU / XLPE /SWA / LSF
Standarts	TS IEC 60502-1
Construction	Copper Conductor, XLPE Insulation ,HFFR Filler,Galvanized flat steel wire,Galvanized steel tape,HFFR Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas.Can be laid outdoors,undergrounds and in areas where sudden mechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.) ohm/km	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x16/10 rm	23,0	1250	150	1,15	111	98
3x25/16 rm	26,0	1700	160	0,727	143	126
3x35/16 rm	28,0	2100	160	0,524	173	156
3x50/25 rm	31,5	2700	180	0,387	205	190
3x70/35 rm	36,0	3650	220	0,268	252	245
3x95/50 rm	40,0	4650	230	0,193	303	297
3x120/70 rm	44,0	5850	240	0,153	346	346
3x150/70 rm	48,0	6800	220*	0,124	390	398
3x185/95 rm	53,0	8550	230*	0,0991	441	455
3x240/120 rm	59,0	10650	240*	0,0754	511	535
3x300/150 rm	65,0	13000	220**	0,0601	580	630
3x400/185 rm	72,0	16500	240**	0,0470	663	740

rm:Stranded conductor

* For 500 m lenght cables

** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED, HALOJEN FREE , FLAME RETARDANT , FLAT STEEL WIRE ARMoured WITH COPPER CONDUCTOR POWER CABLES



**YXZ3Z1
N2XFGBH
CU/XLPE/SWA/LSF**

Code	YXZ3Z1 (N2XFGBH), CU/XLPE/SWA/LSF
Standarts	TS IEC 60502-1
Construction	Copper Conductor, XLPE Insulation ,HFFR Filler,Galvanized flat steel wire,Galvanized steel tape,HFFR Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas.Can be laid outdoors,undergrounds and in areas where sudden mechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
				Conductor DC (maks.) resistance at 20 °C (maks.) ohm/km	Current carrying capacity in	
Nominal cross -section mm ²	Overall Diameter mm	Net Weight kg/km	Delivery reel size for 1000m cable cm		Ground(A)	Air(A)
4x10 rm	20,0	1100	120	1,83	86	73
4x16 rm	23,0	1400	140	1,15	111	98
4x25 rm	27,0	1950	160	0,727	143	126
4x35 rm	30,0	2500	160	0,524	173	156
4x50 rm	33,0	3100	180	0,387	205	190
4x70 rm	38,0	4250	220	0,268	252	245
4x95 rm	42,0	5400	180*	0,193	303	297
4x120 rm	47,0	6700	210*	0,153	346	346
4x150 rm	52,0	8000	220*	0,124	390	398
4x185 rm	57,0	9950	240*	0,0991	441	455
4x240 rm	62,0	12300	220**	0,0754	511	535
4x300 rm	69,0	15500	240**	0,0601	580	630
4x400 rm	77,0	19500	260**	0,0470	663	740
5x10 rm	23,0	1350	140	1,83	86	73
5x16 rm	25,0	1700	160	1,15	111	98
5x25 rm	29,0	2350	160	0,727	143	126
5x35 rm	32,0	3050	180	0,524	173	156
5x50 rm	36,0	3850	200	0,387	205	190
5x70 rm	41,0	5200	200*	0,268	252	245
5x95 rm	46,0	6700	200*	0,193	303	297
5x120 rm	51,0	8300	220*	0,153	346	346
5x150 rm	57,0	9950	230*	0,124	390	398
5x185 rm	63,0	12450	220**	0,0991	441	455
5x240 rm	69,0	15400	220**	0,0754	511	535

rm:Stranded conductor

* For 500 m lenght cables

** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED, HALOJEN FREE , FLAME RETARDANT , ROUND STEEL WIRE ARMoured WITH COPPER CONDUCTOR POWER CABLES



N2XRH

Code	N2XRH
Standarts	TSE K 339
Construction	Copper Conductor, XLPE Insulation ,HFFR Filler,Galvanized round steel wire,Galvanized steel tape,HFFR Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energynet-works with sudden load change residential or industrial areas.Can be laid outdoors,undergrounds and in areas where suddenmechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross-section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x1.5 re	13,5	315	100	12,1	30	23
3x2.5 re	14,0	360	100	7,41	40	32
3x4 re	15,5	430	120	4,61	52	42
3x6 re	16,5	520	120	3,08	64	53
3x10 rm	20,0	930	120	1,83	86	73
3x16 rm	22,0	1200	130	1,15	111	98
3x25 rm	26,0	1750	140	0,727	143	126
3x35 rm	28,5	2150	140	0,524	173	156
3x50 rm	31,0	2750	160	0,387	205	190
3x70 rm	36,5	3800	200	0,268	252	245
3x95 rm	40,0	4800	220	0,193	303	297
3x120 rm	44,0	5800	160*	0,153	346	346
3x150 rm	50,0	7300	200*	0,124	390	398
3x185 rm	55,0	9000	220*	0,0991	441	455
3x240 rm	61,0	11000	240*	0,0754	511	535

re: Single-wire conductor
rm:Stranded conductor

* For 500 m lenght cables

0.6/1 kV

XLPE INSULATED, HALOJEN FREE , FLAME RETARDANT , ROUND STEEL WIRE ARMoured WITH COPPER CONDUCTOR POWER CABLES



N2XRH

Code	N2XRH
Standarts	TSE K 339
Construction	Copper Conductor, XLPE Insulation ,HFFR Filler,Galvanized round steel wire,Galvanized steel tape,HFFR Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas.Can be laid outdoors,undergrounds and in areas where sudden mechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
3x16/10 rm	23,5	1300	150	1,15	111	98
3x25/16 rm	27,0	1900	160	0,727	143	126
3x35/16 rm	29,0	2300	160	0,524	173	156
3x50/25 rm	32,5	2850	180	0,387	205	190
3x70/35 rm	38,0	4050	220	0,268	252	245
3x95/50 rm	42,0	5100	230	0,193	303	297
3x120/70 rm	47,0	6400	240	0,153	346	346
3x150/70 rm	51,5	7900	220*	0,124	390	398
3x185/95 rm	56,5	9750	230*	0,0991	441	455
3x240/120 rm	62,0	12100	240*	0,0754	511	535
3x300/150 rm	70,0	14850	240**	0,0601	580	630
3x400/185 rm	79,0	19550	250**	0,0470	663	740

rm:Stranded conductor

* For 500 m lenght cables

** For 250 m lenght cables

0.6/1 kV

XLPE INSULATED, HALOJEN FREE , FLAME RETARDANT , ROUND STEEL WIRE ARMoured WITH COPPER CONDUCTOR POWER CABLES



N2XRH

Code	N2XRH
Standarts	TSE K 339
Construction	Copper Conductor, XLPE Insulation ,HFFR Filler,Galvanized round steel wire,Galvanized steel tape,HFFR Outer Sheath
Application	These cables have a low dielectric loss, coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas.Can be laid outdoors,undergrounds and in areas where sudden mechanical stresses are expected.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Ground(A)	Air(A)
mm ²	mm	kg/km	cm	ohm/km		
4x1.5 re	14,0	350	100	12,1	30	23
4x2.5 re	15,0	420	120	7,41	40	32
4x4 re	16,0	520	120	4,61	52	42
4x6 re	18,5	740	130	3,08	64	50
4x10 rm	21,5	1050	140	1,83	86	73
4x16 rm	24,0	1450	140	1,15	111	98
4x25 rm	28,0	2100	160	0,727	143	126
4x35 rm	31,0	2600	160	0,524	173	156
4x50 rm	35,0	3300	180	0,387	205	190
4x70 rm	40,0	4550	220	0,268	252	245
4x95 rm	44,0	5900	180*	0,193	303	297
4x120 rm	50,0	7600	210*	0,153	346	346
4x150 rm	55,0	9000	220*	0,124	390	398
4x185 rm	60,0	10900	240*	0,0991	441	455
4x240 rm	66,0	13700	220**	0,0754	511	535
4x300 rm	75,0	16500	240**	0,0601	580	630
4x400 rm	86,0	21550	260**	0,0470	663	740
5x10 rm	24,0	1450	140	1,83	86	73
5x16 rm	26,0	1850	120	1,15	111	98
5x25 rm	31,0	2750	140	0,727	143	126
5x35 rm	34,0	3450	150	0,524	173	156
5x50 rm	39,0	4650	160	0,387	205	190
5x70 rm	44,0	6100	200	0,268	252	245
5x95 rm	49,0	8200	230	0,193	303	297
5x120 rm	55,0	10000	240	0,153	346	346
5x150 rm	60,0	11800	210*	0,124	390	398
5x185 rm	66,0	14500	230*	0,0991	441	455
5x240 rm	72,0	17700	240*	0,0754	511	535

re: Single-wire conductor
rm:Stranded conductor

* For 500 m lenght cables
** For 500 m lenght cables

0.6/1 kV

XLPE INSULATED , HALOJEN FREE , FIRE RESISTANT SINGLE CORE WITH COPPER CONDUCTOR POWER SECURITY CABLES



N2XH FE 180

Code	N2XH FE 180
Standarts	TS HD 604 S1, DIN-VDE 0276-604
Construction	Copper Conductor, Mica Tape , XLPE Insulation , HFFR Outer Sheath
Application	Used in energy networks in refineries,hotels,schools, mines, tunnels,high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 15*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information		
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in	
					Air(A)	
mm ²	mm	kg/km	cm	ohm/km	●●●	●●●
1x4 re	7,5	90	70	4,61	56	40
1x6 re	8,0	110	70	3,08	71	53
1x10 rm	9,5	160	80	1,83	100	74
1x16 rm	10,0	220	80	1,15	135	100
1x25 rm	11,5	320	90	0,727	180	133
1x35 rm	12,5	420	90	0,524	225	167
1x50 rm	14,0	530	90	0,387	273	205
1x70 rm	16,0	740	110	0,268	350	265
1x95 rm	17,5	950	110	0,193	428	325
1x120 rm	19,0	1200	120	0,153	495	380
1x150 rm	21,0	1450	130	0,124	575	442
1x185 rm	23,0	1850	140	0,0991	660	510
1x240 rm	25,5	2350	160	0,0754	780	605
1x300 rm	28,5	3000	200	0,0601	864	690
1x400 rm	32,0	3900	220	0,0470	1018	810
1x500 rm	35,5	4900	240	0,0366	1173	930

re: Single-wire conductor
rm:Stranded conductor

0.6/1 kV

XLPE INSULATED , HALOJEN FREE , FIRE RESISTANT MULTI CORE WITH COPPER CONDUCTOR POWER SECURITY CABLES



N2XH FE 180

Code	N2XH FE 180
Standarts	TS HD 604 S1, DIN-VDE 0276-604
Construction	Copper Conductor, Mica Tape , XLPE Insulation , HFFR Outer Sheath
Application	Used in energy networks in refineries,hotels,schools, mines, tunnels,high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in Air(A)
mm ²	mm	kg/km	cm	ohm/km	
2x1.5 re	11,0	150	80	12,1	26
2x2.5 re	12,0	190	90	7,41	36
2x4 re	12,5	240	90	4,61	49
2x6 re	13,5	290	100	3,08	63
2x10 rm	16,5	450	100	1,83	86
2x16 rm	18,5	600	120	1,15	115
2x25 rm	21,0	850	130	0,727	149
2x35 rm	23,0	1100	130	0,524	185
2x50 rm	26,0	1400	150	0,387	225
2x70 rm	30,0	2000	160	0,268	245
2x95 rm	33,0	2600	180	0,193	297
2x120 rm	37,5	3320	210	0,153	346
2x150 rm	42,0	4020	220	0,124	398
2x185 rm	46,0	5100	230	0,0991	455
2x240 rm	51,0	6400	210*	0,0754	535

re: Single-wire conductor
rm:Stranded conductor

* For 500 m lenghtcables

0.6/1 kV

XLPE INSULATED , HALOJEN FREE , FIRE RESISTANT MULTI CORE WITH COPPER CONDUCTOR POWER SECURITY CABLES



N2XH FE 180

Code	N2XH FE 180
Standarts	TS HD 604 S1 , DIN - VDE 0276-604
Construction	Copper Conductor, Mica Tape , XLPE Insulation , HFFR Outer Sheath
Application	Used in energy networks in refineries,hotels,schools, mines, tunnels,high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in
					Air(A)
mm ²	mm	kg/km	cm	ohm/km	
3x1.5 re	11,5	180	100	12,1	23
3x2.5 re	12,5	230	100	7,41	32
3x4 re	13,5	280	110	4,61	42
3x6 re	14,5	360	110	3,08	53
3x10 rm	17,5	550	120	1,83	73
3x16 rm	19,5	750	120	1,15	98
3x25 rm	22,0	1050	130	0,727	126
3x35 rm	24,5	1400	150	0,524	156
3x50 rm	27,5	1800	160	0,387	190
3x70 rm	32,0	2550	180	0,268	245
3x95 rm	35,5	3400	210	0,193	297
3x120 rm	40,0	4350	220	0,153	346
3x150 rm	45,0	5250	240	0,124	398
3x185 rm	49,5	6600	200*	0,0991	455
3x240 rm	54,5	8400	220*	0,0754	535

re: Single-wire conductor
rm:Stranded conductor

* For 500 m lenghtcables

0.6/1 kV
XLPE INSULATED HALOJEN FREE FIRE RESISTANT MULTI CORE WITH COPPER CONDUCTOR POWER SECURITY CABLES

N2XH FE 180

Code	N2XH FE 180
Standarts	TS HD 604 S1 , DIN - VDE 0276-604
Construction	Copper Conductor , Mica Tape , XLPE Insulation , HFFR Filler , HFFR Outer Sheath
Application	Used in energy networks in refineries,hotels,schools, mines, tunnels,high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in
mm ²	mm	kg/km	cm	ohm/km	Air(A)
4x1.5 re	12,5	210	100	12,1	22
4x2.5 re	13,5	260	110	7,41	30
4x4 re	14,5	330	110	4,61	40
4x6 re	15,5	430	120	3,08	50
4x10 rm	19,0	650	120	1,83	70
4x16 rm	21,0	920	130	1,15	96
4x25 rm	25,0	1320	140	0,727	126
4x35 rm	27,0	1800	150	0,524	156
4x50 rm	31,0	2300	160	0,387	190
4x70 rm	36,0	3300	200	0,268	245
4x95 rm	40,0	4400	220	0,193	297
4x120 rm	44,0	5500	230	0,153	346
4x150 rm	49,5	6650	210*	0,124	398
4x185 rm	54,5	8400	220*	0,0991	455
4x240 rm	60,5	10700	240*	0,0754	535

re:Single-wire conductor • rm:Stranded conductor * For 500 m lenght cables

0.6/1 kV
**XLPE INSULATED HALOGEN FREE FIRE RESISTANT MULTI CORE
WITH COPPER CONDUCTOR POWER SECURITY CABLES**

N2XH FE 180

Code	N2XH FE 180
Standarts	TS HD 604 S1 , DIN - VDE 0276-604
Construction	Copper Conductor, Mica Tape , XLPE Insulation , HFFR Filler , HFFR Outer Sheath
Application	Used in energy networks in refineries,hotels,schools, mines, tunnels,high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in
mm ²	mm	kg/km	cm	ohm/km	Air(A)
3x16/10 rm	21,0	870	140	1,15	98
3x25/16 rm	24,5	1250	160	0,727	126
3x35/16 rm	26,5	1550	160	0,524	156
3x50/25 rm	30,0	2100	180	0,387	190
3x70/35 rm	34,0	2900	210	0,268	245
3x95/50 rm	38,0	3850	230	0,193	297
3x120/70 rm	43,0	5000	240	0,153	346
3x150/70 rm	46,5	5820	210*	0,124	398
3x185/95 rm	52,0	7400	220*	0,0991	455
3x240/120 rm	57,0	9420	240*	0,0754	535

rm:Stranded conductor

* For 500 m lenght cables

0.6/1 kV

XLPE INSULATED HFFR OUTER SHEATH HALOJEN FREE FIRE RESISTANT MULTI CORE WITH COPPER CONDUCTOR POWER SECURITY CABLES



N2XH FE 180

Code	N2XH FE 180
Standarts	TS HD 604 S1 , DIN - VDE 0276
Construction	Copper Conductor, Mica Tape , XLPE Insulation , HFFR Filler, HFFR Outer Sheath
Application	Used in energy networks in refineries,hotels,schools, mines, tunnels,high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in
mm ²	mm	kg/km	cm	ohm/km	Air(A)
5x1.5 re	14,0	270	110	12,1	23
7x1.5 re	15,0	325	110	12,1	16
10x1.5 re	19,0	485	130	12,1	13
12x1.5 re	19,5	540	130	12,1	13
14x1.5 re	20,5	580	130	12,1	12
19x1.5 re	22,5	730	150	12,1	11
21x1.5 re	24,0	775	150	12,1	10
24x1.5 re	26,5	1000	160	12,1	10
30x1.5 re	27,5	1100	180	12,1	9
40x1.5 re	31,0	1430	200	12,1	8
48x1.5 re	34,0	1700	210	12,1	8
61x1.5 re	37,0	2050	220	12,1	6
5x2.5 re	15,0	335	110	7,41	32
7x2.5 re	16,5	415	120	7,41	21
10x2.5 re	20,0	600	140	7,41	18
12x2.5 re	21,0	695	140	7,41	17
14x2.5 re	22,0	750	150	7,41	16
19x2.5 re	24,5	950	160	7,41	14
21x2.5 re	26,0	1060	160	7,41	14
24x2.5 re	29,0	1300	180	7,41	13
30x2.5 re	30,5	1500	200	7,41	12
40x2.5 re	34,0	1900	210	7,41	11
48x2.5 re	37,0	2300	210	7,41	11
61x2.5 re	40,5	2800	220	7,41	10

re:Single-wire conductor

0.6/1 kV
XLPE INSULATED AND HFFR SHEATHED HALOJEN FREE FIRE RESISTANT WITH COPPER CONDUCTOR SECURITY CONTROL CABLES

N2XCH FE 180

Code	N2XCH FE 180
Standarts	TS HD 604 S1 , DIN - VDE 0276-604
Construction	Copper Conductor, Mica Tape , XLPE Insulation , HFFR Filler , Copper wires screen , Copper tape , HFFR Outer Sheath
Application	Used in energy networks in refineries,hotels,schools, mines, tunnels,high constructions,hospitals, power plants,data processing centers, business centers where there is a risk of fire.
Technical Datas	Max. operating temperature 90 °C Max. short circuit temperature 250 °C Min. Bending radius 12*D D: Cable overall Dia. (mm)

Dimensions and Weights				Electrical Information	
Nominal cross -section	Overall Diameter	Net Weight	Delivery reel size for 1000m cable	Conductor DC (maks.) resistance at 20 °C (maks.)	Current carrying capacity in
mm ²	mm	kg/km	cm	ohm/km	Air(A)
3x1.5/1.5 re	11,5	180	100	12,1	23
3x2.5/2.5 re	12,5	230	100	7,41	32
3x4/4 re	13,5	280	110	4,61	42
3x6/6 re	14,5	360	110	3,08	53
3x10/10 rm	17,5	550	120	1,83	73
3x16/10 rm	19,5	750	120	1,15	98
3x25/16 rm	22,0	1050	130	0,727	126
3x35/16 rm	24,5	1400	150	0,524	156
3x50/25 rm	27,5	1800	160	0,387	190
3x70/35 rm	32,0	2550	180	0,268	245
3x95/50 rm	35,5	3400	210	0,193	297
3x120/70 rm	40,0	4350	220	0,153	346
3x150/70 rm	45,0	5250	240	0,124	398
3x185/95 rm	49,5	6600	200*	0,0991	455
3x240/120 rm	54,5	8400	220*	0,0754	535
4x1.5/1.5 re	12,5	210	100	12,1	23
4x2.5/2.5 re	13,5	260	110	7,41	32
4x4/4 re	14,5	330	110	4,61	42
4x6/6 re	15,5	430	120	3,08	53
4x10/10 rm	19,0	650	120	1,83	73
4x16/10 rm	21,0	920	130	1,15	98
4x25/16 rm	25,0	1320	140	0,727	126
4x35/16 rm	27,0	1800	150	0,524	156
4x50/25 rm	31,0	2300	160	0,387	190
4x70/35 rm	36,0	3300	200	0,268	245
4x95/50 rm	40,0	4400	220	0,193	297
4x120/70 rm	44,0	5500	230	0,153	346
4x150/70 rm	49,5	6650	210*	0,124	398
4x185/95 rm	54,5	8400	220*	0,0991	455
4x240/120 rm	60,5	10700	240*	0,0754	535

re:Single-wire conductor • rm:Stranded conductor

* For 500 m lenght cables



7

**3.6/6 - 20.3/35 KV Medium
Voltage XLPE Insulated
Power Cables**



3.6/6 kV

XLPE INSULATED SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YXC7V(TSE) • N2XSY(VDE)

2XSY(IEC) Cu/XLPE/CWS/PVC(BS)

Code	YXC7V-R (TSE), N2XSY(VDE), 2XSY(IEC), Cu/XLPE/SC/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper wires screen,copper tape,Polyester tape,PVC outer sheath.
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air(A) at 30 °C	
						•••	•••		•••	•••	•••	•••
1x25/16 rm	19,0	625	1000	120	0,727	0,77	0,43	0,25	182	150	196	163
1x35/16 rm	21,0	725	1000	130	0,524	0,75	0,41	0,28	200	190	238	198
1x50/16 rm	23,0	850	1000	140	0,387	0,72	0,39	0,31	240	225	286	238
1x70/16 rm	25,0	1050	1000	140	0,268	0,68	0,37	0,36	300	275	356	296
1x95/16 rm	27,0	1300	1000	160	0,193	0,65	0,36	0,40	360	330	434	361
1x120/16 rm	28,0	1550	1000	160	0,153	0,63	0,34	0,44	420	375	500	417
1x150/25 rm	30,0	2000	1000	160	0,124	0,62	0,33	0,48	475	420	559	473
1x185/25 rm	32,0	2300	1000	180	0,0991	0,60	0,32	0,52	542	470	637	543
1x240/25 rm	34,0	2900	1000	180	0,0754	0,57	0,30	0,57	590	550	745	641
1x300/25 rm	37,0	3600	1000	200	0,0601	0,56	0,29	0,60	620	586	846	735
1x400/35 rm	41,0	4600	1000	220	0,0470	0,55	0,28	0,63	670	660	938	845
1x500/35 rm	44,0	5600	500	160	0,0366	0,53	0,27	0,67	770	760	1040	950
1x630/35 rm	48,0	7200	500	180	0,0283	0,51	0,26	0,70	850	840	1120	1040

rm:Stranded conductor

6/10 kV

XLPE INSULATED SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YXC7V(TSE) • N2XSY(VDE)
2XSY(IEC)
Cu/XLPE/CWS/PVC(BS)**

Code	YXC7V-R (TSE), N2XSY(VDE), 2XSY(IEC), Cu/XLPE/SC/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper wires screen,copper tape,Polyester tape,PVC outer sheath.
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground(A) at 20 °C		Air(A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x25/16 rm	22,0	700	1000	140	0,727	0,78	0,45	0,20	182	150	196	163
1x35/16 rm	23,0	800	1000	140	0,524	0,75	0,43	0,22	200	190	238	198
1x50/16 rm	24,0	900	1000	140	0,387	0,73	0,41	0,24	240	225	286	238
1x70/16 rm	26,0	1150	1000	160	0,268	0,69	0,38	0,27	300	275	356	296
1x95/16 rm	27,0	1400	1000	160	0,193	0,66	0,36	0,30	360	330	434	361
1x120/16 rm	29,0	1700	1000	160	0,153	0,64	0,35	0,33	420	375	500	417
1x150/25 rm	31,0	2100	1000	160	0,124	0,62	0,34	0,36	470	420	559	473
1x185/25 rm	33,0	2400	1000	180	0,0991	0,61	0,33	0,39	542	470	637	543
1x240/25 rm	36,0	3000	1000	180	0,0754	0,58	0,32	0,44	590	550	745	641
1x300/25 rm	38,0	3650	1000	190	0,0601	0,56	0,31	0,48	620	586	846	735
1x400/35 rm	41,0	4650	1000	200	0,0470	0,55	0,30	0,53	670	660	938	845
1x500/35 rm	45,0	5650	500	180	0,0366	0,53	0,29	0,59	770	760	1040	950
1x630/35 rm	48,0	7250	500	180	0,0283	0,51	0,28	0,68	850	840	1120	1040

rm:Stranded conductor

8.7/15 kV

XLPE INSULATED SINGLE CORE MEDIUM VOLTAGE POWER CABLES VOLTAGE POWER CABLES



**YXC7V(TSE) • N2XSY(VDE)
2XSY(IEC)
Cu/XLPE/CWS/PVC(BS)**

Code	YXC7V-R (TSE), N2XSY(VDE), 2XSY(IEC), Cu/XLPE/SC/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper wires screen,copper tape,Polyester tape,PVC outer sheath
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●		●●●	●●	●●●	●●
1x25/16 rm	25,0	750	1000	140	0,727	0,79	0,47	0,16	182	150	196	163
1x35/16 rm	26,0	850	1000	140	0,524	0,75	0,44	0,18	200	190	238	198
1x50/16 rm	27,0	950	1000	160	0,387	0,73	0,43	0,19	240	225	286	238
1x70/16 rm	29,0	1200	1000	160	0,268	0,70	0,40	0,22	300	275	356	296
1x95/16 rm	31,0	1500	1000	160	0,193	0,67	0,38	0,24	360	330	434	361
1x120/16 rm	32,0	1750	1000	160	0,153	0,65	0,37	0,27	420	375	500	417
1x150/25 rm	33,0	2200	1000	180	0,124	0,63	0,35	0,29	475	420	559	473
1x185/25 rm	35,0	2500	1000	180	0,0991	0,61	0,34	0,31	542	470	637	543
1x240/25 rm	38,0	3100	1000	190	0,0754	0,59	0,33	0,34	590	550	745	641
1x300/25 rm	40,0	3750	1000	200	0,0601	0,57	0,32	0,38	620	586	846	735
1x400/35 rm	44,0	4700	1000	210	0,0470	0,55	0,31	0,41	670	660	938	845
1x500/35 rm	47,0	5750	500	180	0,0366	0,53	0,30	0,46	770	760	1040	921
1x630/35 rm	52,0	7300	500	180	0,0283	0,51	0,29	0,53	850	840	1120	1040

rm:Stranded conductor

12/20 kV

XLPE INSULATED SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YXC7V(TSE) • N2XSY(VDE)
2XSY(IEC)
Cu/XLPE/CWS/PVC(BS)

Code	YXC7V-R (TSE), N2XSY(VDE), 2XSY(IEC), Cu/XLPE/SC/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive tape, copper wires screen, copper tape, Polyester tape, PVC outer sheath.
Application	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builds
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	27,0	950	1000	160	0,524	0,75	0,44	0,16	200	190	238	198
1x50/16 rm	28,0	1100	1000	160	0,387	0,73	0,43	0,17	240	225	286	238
1x70/16 rm	30,0	1300	1000	160	0,268	0,70	0,40	0,19	300	275	356	296
1x95/16 rm	32,0	1600	1000	180	0,193	0,67	0,38	0,22	360	330	434	361
1x120/16 rm	33,0	1850	1000	180	0,153	0,65	0,37	0,24	420	375	500	417
1x150/25 rm	35,0	2300	1000	180	0,124	0,63	0,35	0,26	475	420	559	473
1x185/25 rm	37,0	2600	1000	180	0,0991	0,61	0,34	0,28	542	470	637	543
1x240/25 rm	39,0	3250	1000	200	0,0754	0,59	0,33	0,30	590	550	745	641
1x300/25 rm	42,0	3950	1000	210	0,0601	0,57	0,32	0,33	620	586	846	735
1x400/35 rm	45,0	4900	1000	220	0,0470	0,55	0,31	0,37	670	660	938	845
1x500/35 rm	49,0	5900	500	180	0,0366	0,53	0,30	0,41	770	760	1040	950
1x630/35 rm	52,0	7500	500	180	0,0283	0,51	0,29	0,45	850	840	1120	1040

rm:Stranded conductor

18/30 kV

XLPE INSULATED SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YXC7V(TSE) • N2XSY(VDE)
2XSY(IEC)
Cu/XLPE/CWS/PVC(BS)**

Code	YXC7V-R (TSE), N2XSY(VDE), 2XSY(IEC), Cu/XLPE/SC/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper wires screen,copper tape,Polyester tape,PVC outer sheath
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builds
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	33,0	1200	1000	180	0,524	0,77	0,49	0,12	200	190	238	198
1x50/16 rm	34,0	1350	1000	180	0,387	0,75	0,47	0,14	240	225	286	238
1x70/16 rm	36,0	1600	1000	190	0,268	0,71	0,44	0,15	300	275	356	296
1x95/16 rm	38,0	1900	1000	190	0,193	0,69	0,42	0,17	360	330	434	361
1x120/16 rm	39,0	2200	1000	200	0,153	0,66	0,41	0,18	420	375	500	417
1x150/25 rm	40,0	2650	1000	210	0,124	0,64	0,4	0,19	475	420	559	473
1x185/25 rm	42,0	3000	1000	210	0,0991	0,63	0,39	0,21	542	470	637	543
1x240/25 rm	44,0	3600	1000	220	0,0754	0,60	0,37	0,23	590	550	745	641
1x300/25 rm	47,0	4300	1000	220	0,0601	0,59	0,36	0,25	620	586	846	735
1x400/35 rm	52,0	5400	500	220	0,0470	0,57	0,35	0,28	670	660	938	845
1x500/35 rm	56,0	6400	500	200	0,0366	0,55	0,34	0,30	770	760	1040	950
1x630/35 rm	59,0	8100	500	200	0,0283	0,52	0,33	0,33	850	840	1120	1040

rm:Stranded conductor

20.3/35 kV

XLPE INSULATED SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YXC7V(TSE) • N2XSY(VDE)
2XSY(IEC)
Cu/XLPE/CWS/PVC(BS)

Code	YXC7V-R (TSE), N2XSY(VDE), 2XSY(IEC), Cu/XLPE/SC/PVC (BS)
Standarts	TS IEC 60502-2, TSE K 204 Teknik Şartname, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper wires screen,copper tape,Polyester tape,PVC outer sheath.
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	34,0	1300	1000	180	0,524	0,77	0,51	0,11	200	190	238	198
1x50/16 rm	35,0	1450	1000	190	0,387	0,75	0,49	0,12	240	225	286	238
1x70/16 rm	37,0	1700	1000	190	0,268	0,71	0,46	0,13	300	225	356	296
1x95/16 rm	39,0	2000	1000	200	0,193	0,69	0,44	0,15	360	275	434	361
1x120/16 rm	40,0	2350	1000	210	0,153	0,66	0,42	0,16	420	330	500	417
1x150/25 rm	42,0	2750	1000	210	0,124	0,64	0,41	0,17	475	375	559	473
1x185/25 rm	44,0	3100	1000	220	0,0991	0,63	0,39	0,18	542	420	637	543
1x240/25 rm	47,0	3800	1000	220	0,0754	0,60	0,38	0,20	590	470	745	641
1x300/25 rm	49,0	4500	1000	230	0,0601	0,59	0,37	0,21	620	550	846	735
1x400/35 rm	52,0	5450	500	230	0,0470	0,57	0,35	0,23	670	586	938	845
1x500/35 rm	56,0	6550	500	220	0,0366	0,55	0,34	0,26	770	760	1040	950
1x630/35 rm	60,0	8100	500	220	0,0283	0,52	0,33	0,29	850	840	1120	1040

rm:Stranded conductor

3.6/6 kV

XLPE INSULATED SINGLE CORE GALVANIZED ROUND ALUMINYUM WIRE ARMOURED MEDIUM VOLTAGE POWER CABLES



YXC7VY2V-R (TSE)
N2XSYR(AL)Y (VDE)
Cu/XLPE/SC/PVC/ AWA/PVC
(BS)

Code	YXC7VY2V-R (TSE), N2XSYR(AL)Y (VDE), Cu/XLPE/SC/PVC/AWA/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive tape, copper wires screen, copper tape, Polyester tape, PVC separation sheath, Aluminium round armoured wire, PVC outer sheath
Application	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builds
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air(A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x25/16 rm	25,0	900	1000	140	0,727	0,77	0,43	0,25	182	150	196	163
1x35/16 rm	26,0	1000	1000	140	0,524	0,75	0,41	0,28	200	190	238	198
1x50/16 rm	27,5	1200	1000	160	0,387	0,72	0,39	0,31	240	225	286	238
1x70/16 rm	29,5	1450	1000	160	0,268	0,68	0,37	0,36	300	275	356	296
1x95/16 rm	31,5	1750	1000	180	0,193	0,65	0,36	0,40	360	330	434	361
1x120/16 rm	33,0	2000	1000	180	0,153	0,63	0,34	0,44	420	375	500	417
1x150/25 rm	35,5	2500	1000	180	0,124	0,62	0,33	0,48	475	420	559	473
1x185/25 rm	37,5	2900	1000	180	0,0991	0,60	0,32	0,52	542	470	637	543
1x240/25 rm	40,0	3500	1000	200	0,0754	0,57	0,30	0,57	590	550	745	641
1x300/25 rm	43,0	4200	1000	200	0,0601	0,56	0,29	0,60	620	586	846	735
1x400/35 rm	48,0	5500	1000	200	0,0470	0,55	0,28	0,63	670	660	938	845
1x500/35 rm	52,0	6600	500	200	0,0366	0,53	0,27	0,67	770	760	1040	950
1x630/35 rm	61.0	8400	500	240	0,0283	0,51	0,29	0,45	850	840	1120	1040

rm:Bükülü iletken

6/10 kV

XLPE INSULATED SINGLE CORE GALVANIZED ROUND ALUMINYUM WIRE ARMOURED MEDIUM VOLTAGE POWER CABLES



**YXC7VY2V-R (TSE)
N2XSYR(AL)Y (VDE)
Cu/XLPE/SC/PVC/
AWA/PVC(BS)**

Code	YXC7VY2V-R (TSE), N2XSYR(AL)Y (VDE), Cu/XLPE/SC/PVC/AWA/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive tape, copper wires screen, copper tape, Polyester tape, PVC separation sheath, Aluminium round armoured wires, PVC outer sheath
Application	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builds
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x25/16 rm	27,0	950	1000	140	0,727	0,78	0,45	0,20	182	150	196	163
1x35/16 rm	28,0	1050	1000	140	0,524	0,75	0,43	0,22	200	190	238	198
1x50/16 rm	30,0	1250	1000	160	0,387	0,73	0,41	0,24	240	225	286	238
1x70/16 rm	31,5	1500	1000	160	0,268	0,69	0,38	0,27	300	275	356	296
1x95/16 rm	33,0	1800	1000	180	0,193	0,66	0,36	0,30	360	330	434	361
1x120/16 rm	35,5	2150	1000	180	0,153	0,64	0,35	0,33	420	375	500	417
1x150/25 rm	37,0	2550	1000	180	0,124	0,62	0,34	0,36	475	420	559	473
1x185/25 rm	39,0	2950	1000	180	0,0991	0,61	0,33	0,39	542	470	637	543
1x240/25 rm	42,0	3550	1000	200	0,0754	0,58	0,32	0,44	590	550	745	641
1x300/25 rm	44,0	4250	1000	200	0,0601	0,56	0,31	0,48	620	586	846	735
1x400/35 rm	49,0	5550	1000	220	0,0470	0,55	0,30	0,53	670	660	938	845
1x500/35 rm	52,5	6650	500	200	0,0366	0,53	0,29	0,59	770	760	1040	950
1x630/35 rm	56,5	8050	500	200	0,0283	0,51	0,28	0,68	850	840	1120	1040

rm:Stranded conductor

8.7/15 kV

XLPE INSULATED SINGLE CORE GALVANIZED ROUND ALUMINYUM WIRE ARMOURED MEDIUM VOLTAGE POWER CABLES



YXC7VY2V-R (TSE)
N2XSYR(AL)Y (VDE)
Cu/XLPE/SC/PVC/ AWA/PVC
(BS)

Code	YXC7VY2V-R (TSE), N2XSYR(AL)Y (VDE), Cu/XLPE/SC/PVC/AWA/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive tape, copper wires screen, copper tape, Polyester tape, PVC separation sheath, Aluminium round armoured wires, PVC outer sheath
Application	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builds
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x25/16 rm	29.0	1050	1000	160	0,527	0,79	0,47	0,16	182	150	196	163
1x35/16 rm	30.0	1150	1000	160	0,524	0,75	0,44	0,18	200	190	238	198
1x50/16 rm	32.0	1350	1000	160	0,387	0,73	0,43	0,19	240	225	286	238
1x70/16 rm	34.0	1600	1000	180	0,268	0,70	0,40	0,22	300	275	356	296
1x95/16 rm	36.0	2000	1000	180	0,193	0,67	0,38	0,24	360	330	434	361
1x120/16 rm	38.0	2250	1000	180	0,153	0,65	0,37	0,27	420	375	500	417
1x150/25 rm	39.5	2700	1000	200	0,124	0,63	0,35	0,29	475	420	559	473
1x185/25 rm	41.5	3100	1000	200	0,0991	0,61	0,34	0,31	542	470	637	543
1x240/25 rm	44.0	3750	1000	200	0,0754	0,59	0,33	0,34	590	550	745	641
1x300/25 rm	47.5	4500	1000	220	0,0601	0,57	0,32	0,38	620	586	846	735
1x400/35 rm	51.5	5700	500	240	0,0470	0,55	0,31	0,41	670	660	938	845
1x500/35 rm	55.0	6750	500	200	0,0366	0,53	0,30	0,46	770	760	1040	950
1x630/35 rm	59.0	8150	500	220	0,0283	0,51	0,29	0,53	850	840	1120	1040

rm:Stranded conductor

12/20 kV

XLPE INSULATED SINGLE CORE GALVANIZED ROUND ALUMINYUM WIRE ARMOURED MEDIUM VOLTAGE POWER CABLES



YXC7VY2V-R (TSE)
N2XSYR(AL)Y (VDE)
Cu/XLPE/SC/PVC/ AWA/PVC(BS)

Code	YXC7VY2V-R (TSE), N2XSYR(AL)Y (VDE), Cu/XLPE/SC/PVC/AWA/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive tape, copper wires screen, copper tape, Polyester tape, PVC separation sheath, Aluminium round armoured wire, PVC outer sheath
Application	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builds
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air(A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	32.5	1250	1000	160	0,524	0,75	0,44	0,16	200	190	238	198
1x50/16 rm	34.5	1550	1000	180	0,387	0,73	0,43	0,17	240	225	286	238
1x70/16 rm	36.5	1800	1000	180	0,268	0,70	0,40	0,19	300	275	356	296
1x95/16 rm	38.5	2100	1000	180	0,193	0,67	0,38	0,22	360	330	434	361
1x120/16 rm	40.0	2400	1000	180	0,153	0,65	0,37	0,24	420	375	500	417
1x150/25 rm	41.5	2850	1000	200	0,124	0,63	0,35	0,26	475	420	559	473
1x185/25 rm	43.5	3250	1000	200	0,0991	0,61	0,34	0,28	542	470	637	543
1x240/25 rm	47.0	4050	1000	220	0,0754	0,59	0,33	0,30	590	550	745	641
1x300/25 rm	50.0	4750	1000	220	0,0601	0,57	0,32	0,33	620	586	846	735
1x400/35 rm	53.5	5950	1000	240	0,0470	0,55	0,31	0,37	670	660	938	845
1x500/35 rm	57.0	7000	500	200	0,0366	0,53	0,30	0,41	770	760	1040	950
1x630/35 rm	61.0	8400	500	220	0,0283	0,51	0,29	0,45	850	840	1120	1040

rm:Stranded conductor

18/30 kV

XLPE INSULATED SINGLE CORE GALVANIZED ROUND ALUMINYUM WIRE ARMOURED MEDIUM VOLTAGE POWER CABLES



YXC7VY2V-R (TSE)
N2XSYR(AL)Y (VDE)
Cu/XLPE/SC/PVC/ AWA/PVC
(BS)

Code	YXC7VY2V-R (TSE), N2XSYR(AL)Y (VDE), Cu/XLPE/SC/PVC/AWA/PVC
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive tape, copper wires screen, copper tape, Polyester tape, PVC separation sheath, Aluminium round armoured wires, PVC outer sheath
Application	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builds
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	39,0	1800	1000	180	0,524	0,77	0,49	0,12	200	190	238	198
1x50/16 rm	40,0	1900	1000	200	0,387	0,75	0,47	0,14	240	225	286	238
1x70/16 rm	42,0	2200	1000	200	0,268	0,71	0,44	0,15	300	275	356	296
1x95/16 rm	45,0	2600	1000	200	0,193	0,69	0,42	0,17	360	330	434	361
1x120/16 rm	47,0	2850	1000	220	0,153	0,66	0,41	0,18	420	375	500	417
1x150/25 rm	48,0	3500	1000	220	0,124	0,64	0,40	0,19	475	420	559	473
1x185/25 rm	50,0	3900	1000	220	0,0991	0,63	0,39	0,21	542	470	637	543
1x240/25 rm	53,0	4600	1000	240	0,0754	0,60	0,37	0,23	590	550	745	641
1x300/25 rm	55,0	5300	1000	240	0,0601	0,59	0,36	0,25	620	586	846	735
1x400/35 rm	59,0	6500	500	220	0,0470	0,57	0,35	0,28	670	660	938	845
1x500/35 rm	63,0	7700	500	220	0,0366	0,55	0,34	0,30	770	760	1040	950
1x630/35 rm	67,0	9100	500	240	0,0283	0,52	0,33	0,33	850	850	1120	1040

rm:Stranded conductor

20.3/35 kV

XLPE INSULATED SINGLE CORE GALVANIZED ROUND ALUMINYUM WIRE ARMOURED MEDIUM VOLTAGE POWER CABLES



YXC7VY2V-R (TSE)
N2XSyr(AL)Y (VDE)
Cu/XLPE/SC/PVC/ AWA/PVC
(BS)

Code	YXC7VY2V-R (TSE), N2XSyr(AL)Y (VDE), Cu/XLPE/SC/PVC/AWA/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276, BS 6622
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive tape, copper wires screen, copper tape, Polyester tape, PVC separation sheath, Aluminium round armoured wires, PVC outer sheath
Application	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builds
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	41.0	2000	1000	200	0,524	0,77	0,51	0,11	200	190	238	198
1x50/16 rm	42.0	2200	1000	200	0,387	0,75	0,49	0,12	240	225	286	238
1x70/16 rm	44.0	2500	1000	200	0,268	0,71	0,46	0,13	300	275	356	296
1x95/16 rm	47.0	3000	1000	220	0,193	0,69	0,44	0,15	360	330	434	361
1x120/16 rm	48,5	3300	1000	220	0,153	0,66	0,42	0,16	420	375	500	417
1x150/25 rm	50,5	3800	1000	220	0,124	0,64	0,41	0,17	475	420	559	473
1x185/25 rm	52,5	4200	1000	240	0,0991	0,63	0,39	0,18	542	470	637	543
1x240/25 rm	55.0	4850	1000	240	0,0754	0,60	0,38	0,20	590	550	745	641
1x300/25 rm	57.0	5600	1000	240	0,0601	0,59	0,37	0,21	620	586	846	735
1x400/35 rm	61.0	6900	500	220	0,0470	0,57	0,35	0,23	670	660	938	845
1x500/35 rm	65.0	7950	500	240	0,0366	0,55	0,34	0,26	770	760	1010	950
1x630/35 rm	59.0	9850	500	240	0,0283	0,52	0,33	0,29	850	850	1120	1040

rm:Stranded conductor

3.6/6 kV

XLPE INSULATED GALVANIZED FLAT STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



YXC8VZ3V-R (TSE)
N2XSEYFGbY(VDE) 2XSEYFGbY(IEC)
Cu/XLPE/SC/PVC/SWA/PVC
(BS)

Code	YXC8VZ3V-R (TSE), N2XSEYFGbY(VDE), 2XSEYFGbY(IEC), Cu/XLPE/SC/PVC/SWA/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0273, IEC 502
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper tape screen,PVC inner sheath,PVC seperation sheath,galvanized steel wires and tape,PVC outer sheath
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x25/16 rm	43,0	3250	1000	240	0,727	0,37	0,25	145	143
3x35/16 rm	46,0	3850	1000	200	0,524	0,35	0,28	175	172
3x50/16 rm	48,0	4350	1000	220	0,387	0,34	0,30	205	205
3x70/16 rm	53,0	5450	1000	230	0,268	0,32	0,35	252	253
3x95/16 rm	57,0	6550	500	240	0,193	0,31	0,39	305	307
3x120/16 rm	60,0	7550	500	240	0,153	0,30	0,43	350	352
3x150/25 rm	64,0	8750	500	240	0,124	0,29	0,47	392	397
3x185/25 rm	67,0	10100	500	240	0,0991	0,28	0,50	445	453
3x240/25 rm	74,0	12650	500	240	0,0754	0,27	0,55	520	529
3x300/25 rm	80,0	15050	250	240	0,0601	0,26	0,57	580	626
3x400/35 rm	88,0	19100	250	220	0,0470	0,26	0,59	650	720

rm:Stranded conductor

6/10 kV

XLPE INSULATED GALVANIZED FLAT STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



YXC8VZ3V-R (TSE)
N2XSEYFGbY(VDE) 2XSEYFGbY(IEC)
Cu/XLPE/SC/PVC/SWA/PVC
(BS)

Code	YXC8VZ3V-R (TSE), N2XSEYFGbY(VDE), 2XSEYFGbY(IEC), Cu/XLPE/SC/PVC/SWA/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper wires screen,copper tape,Polyester tape,PVC seperation sheath ,Aluminium round armoured wires, PVC outer sheath
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builds
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x25/16 rm	48,0	3750	1000	220	0,727	0,40	0,20	145	143
3x35/16 rm	50,0	4400	1000	220	0,524	0,38	0,22	175	172
3x50/16 rm	53,0	5000	1000	240	0,387	0,36	0,24	205	205
3x70/16 rm	57,0	6000	500	200	0,268	0,34	0,27	252	253
3x95/16 rm	61,0	7250	500	200	0,193	0,32	0,30	305	307
3x120/16 rm	64,0	8250	500	220	0,153	0,31	0,33	350	352
3x150/25 rm	68,0	9500	500	220	0,124	0,30	0,36	392	397
3x185/25 rm	72,0	11000	500	240	0,0991	0,29	0,39	445	453
3x240/25 rm	77,0	13250	350	220	0,0754	0,28	0,44	520	529
3x300/25 rm	83,0	15500	250	220	0,0601	0,27	0,48	580	626
3x400/35 rm	90,0	19400	250	220	0,0470	0,26	0,53	650	720

rm:Stranded conductor

8.7/15 kV

XLPE INSULATED GALVANIZED FLAT STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



YXC8VZ3V-R (TSE)
N2XSEYFGbY(VDE) 2XSEYFGbY(IEC)
Cu/XLPE/SC/PVC/SWA/PVC
(BS)

Code	YXC8VZ3V-R (TSE), N2XSEYFGbY(VDE), 2XSEYFGbY(IEC), Cu/XLPE/SC/PVC/SWA/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper tape screen,PVC inner sheath,PVC seperation sheath,galvanized steel wires and tape,PVC outer sheath
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x25/16 rm	54,0	4390	1000	240	0,727	0,42	0,16	145	143
3x35/16 rm	56,0	4970	1000	240	0,524	0,40	0,18	175	172
3x50/16 rm	59,0	5600	500	200	0,387	0,38	0,19	205	205
3x70/16 rm	63,0	6670	500	220	0,268	0,36	0,22	252	253
3x95/16 rm	67,0	7870	500	220	0,193	0,34	0,24	305	307
3x120/16 rm	70,0	9020	500	240	0,153	0,33	0,27	350	352
3x150/25 rm	74,0	10170	500	240	0,124	0,32	0,29	392	397
3x185/25 rm	77,0	11610	350	220	0,0991	0,31	0,31	445	453
3x240/25 rm	84,0	14130	350	240	0,0754	0,30	0,34	520	529
3x300/25 rm	89,0	16500	250	220	0,0601	0,29	0,38	580	626
3x400/35 rm	95,0	19750	250	240	0,0470	0,28	0,41	650	720

rm:Stranded conductor

12/20 kV

XLPE INSULATED GALVANIZED FLAT STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



YXC8VZ3V-R (TSE)
N2XSEYFGbY(VDE) 2XSEYFGbY(IEC)
Cu/XLPE/SC/PVC/SWA/PVC
(BS)

Code	YXC8VZ3V-R (TSE), N2XSEYFGbY(VDE), 2XSEYFGbY(IEC), Cu/XLPE/SC/PVC/SWA/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper tape screen,PVC inner sheath,PVC seperation sheath,galvanized steel wires and tape,PVC outer sheath
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x35/16 rm	61,0	5750	1000	240	0,524	0,41	0,14	175	172
3x50/16 rm	64,0	6550	500	200	0,387	0,39	0,15	205	205
3x70/16 rm	68,0	7650	500	220	0,268	0,37	0,17	252	253
3x95/16 rm	72,0	9000	500	230	0,193	0,35	0,19	305	307
3x120/16 rm	76,0	10100	500	240	0,153	0,34	0,21	350	352
3x150/25 rm	79,0	11550	500	240	0,124	0,32	0,22	392	397
3x185/25 rm	84,0	13250	350	240	0,0991	0,31	0,24	445	453
3x240/25 rm	90,0	15450	350	240	0,0754	0,3	0,27	520	529
3x300/25 rm	96,0	18000	250	240	0,0601	0,29	0,29	580	626
3x400/35 rm	103,0	21650	250	240	0,0470	0,28	0,33	620	720

rm:Stranded conductor

18/30 kV

XLPE XLPE INSULATED GALVANIZED FLAT STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



**YXC8VZ3V-R (TSE)
N2XSEYFGbY(VDE) 2XSEYFGbY(IEC)
Cu/XLPE/SC/PVC/SWA/PVC
(BS)**

Code	YXC8VZ3V-R (TSE), N2XSEYFGbY(VDE), 2XSEYFGbY(IEC), Cu/XLPE/SC/PVC/SWA/PVC (BS)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper tape screen,PVC inner sheath,PVC seperation sheath,galvanized steel wires and tape,PVC outer sheath
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x35/16 rm	73,0	7800	1000	260	0,524	0,45	0,11	175	172
3x50/16 rm	75,0	8500	500	230	0,387	0,43	0,12	205	205
3x70/16 rm	79,0	9750	500	220	0,268	0,41	0,14	252	253
3x95/16 rm	84,0	11000	500	240	0,193	0,38	0,15	305	307
3x120/16 rm	88,0	12400	500	240	0,153	0,37	0,16	350	352
3x150/25 rm	92,0	13950	500	260	0,124	0,36	0,17	392	397
3x185/25 rm	96,0	15650	350	240	0,0991	0,35	0,18	445	453
3x240/25 rm	102,0	18000	350	240	0,0754	0,33	0,21	520	529
3x300/25 rm	108,0	20800	250	240	0,0601	0,32	0,22	580	626
3x400/35 rm	115,0	24800	250	240	0,0470	0,31	0,25	650	720

rm:Stranded conductor

20.3/35 kV

XLPE INSULATED GANAVIZED FLAT STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



YXC8VZ3V-R (TSE)
N2XSEYFGbY(VDE) 2XSEYFGbY(IEC)
Cu/XLPE/SC/PVC/SWA/PVC
(BS)

Code	YXC8VZ3V-R (TSE), N2XSEYFGbY (VDE), 2XSEYFGbY (IEC)
Standarts	TS IEC 60502-2, TSE K 204, technical specifications, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper tape screen,PVC inner sheath,PVC seperation sheath,galvanized steel wires and tape,PVC outer sheath
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x35/16 rm	78,0	8330	500	230	0,524	0,47	0,11	175	172
3x50/16 rm	81,0	9060	500	230	0,387	0,45	0,12	205	205
3x70/16 rm	85,0	10410	500	240	0,268	0,42	0,13	252	253
3x95/16 rm	90,0	12420	350	230	0,193	0,40	0,15	305	307
3x120/16 rm	94,0	13840	350	240	0,153	0,39	0,16	350	352
3x150/25 rm	97,0	15150	350	240	0,124	0,37	0,17	392	397
3x185/25 rm	100,0	16670	300	240	0,0991	0,36	0,18	445	453
3x240/25 rm	106,0	19350	250	230	0,0754	0,35	0,20	520	529
3x300/25 rm	113,0	22250	250	240	0,0601	0,29	0,22	580	626
3x400/35 rm	120,0	23250	250	240	0,0470	0,28	0,24	650	720

rm:Stranded conductor

3.6/6 kV

XLPE INSULATED GALVANIZED ROUND STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



YXC8VZ2V-R N2XSEYRY

Code	YXC8VZ2V-R (TSE), N2XSEYRY (VDE)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper tape screen,PVC inner sheath,PVC seperation sheath,galvanized round steel wires and tape,PVC outer sheath
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x25/16 rm	46,0	4500	1000	220	0,524	0,35	0,28	145	143
3x35/16 rm	48,5	5000	1000	220	0,524	0,35	0,28	175	172
3x50/16 rm	51,0	5700	1000	230	0,387	0,34	0,30	205	205
3x70/16 rm	55,0	6800	1000	240	0,268	0,32	0,35	252	253
3x95/16 rm	60,0	8150	500	200	0,193	0,31	0,39	305	307
3x120/16 rm	63,0	9250	500	210	0,153	0,30	0,43	350	352
3x150/25 rm	66,0	10650	500	220	0,124	0,29	0,47	392	397
3x185/25 rm	71,0	12300	500	230	0,0991	0,28	0,50	445	453
3x240/25 rm	78,0	15500	500	240	0,0754	0,27	0,55	520	529
3x300/25 rm	84,0	18000	250	200	0,0601	0,26	0,57	580	626
3x400/35 rm	90,0	21500	250	220	0,0470	0,26	0,59	650	720

rm:Stranded conductor

6/10 kV
XLPE INSULATED GALVANIZED ROUND STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES

**YXC8VZ2V-R
N2XSEYRY**

Code	YXC8VZ2V-R (TSE), N2XSEYRY (VDE)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive tape, copper tape screen, PVC inner sheath, PVC separation sheath, galvanized round steel wires and tape, PVC outer sheath
Application	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builds
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x25/16 rm	52,0	5300	1000	230	0,727	0,40	0,20	145	143
3x35/16 rm	54,0	5800	1000	230	0,524	0,38	0,22	175	172
3x50/16 rm	57,0	6500	1000	240	0,387	0,36	0,24	205	205
3x70/16 rm	61,0	7600	500	200	0,268	0,34	0,27	252	253
3x95/16 rm	65,0	9000	500	210	0,193	0,32	0,30	305	307
3x120/16 rm	69,0	10200	500	220	0,153	0,31	0,33	350	352
3x150/25 rm	72,0	11700	500	230	0,124	0,30	0,36	392	397
3x185/25 rm	78,0	14200	500	240	0,0991	0,29	0,39	445	453
3x240/25 rm	84,0	16800	350	200	0,0754	0,28	0,44	520	529
3x300/25 rm	90,0	19300	250	220	0,0601	0,27	0,48	580	626
3x400/35 rm	97,0	23200	250	240	0,0470	0,26	0,53	650	720

rm:Stranded conductor

8.7/15 kV

XLPE INSULATED GALVANIZED ROUND STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



YXC8VZ2V-R N2XSEYRY

Code	YXC8VZ2V-R (TSE), N2XSEYRY (VDE)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper tape screen,PVC inner sheath,PVC seperation sheath,galvanized round steel wires and tape,PVC outer sheath
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x25/16 rm	57,0	5450	1000	240	0,727	0,42	0,16	145	143
3x35/16 rm	59,0	6550	1000	240	0,524	0,40	0,18	175	172
3x50/16 rm	62,0	7350	500	210	0,387	0,38	0,19	205	205
3x70/16 rm	66,0	8500	500	220	0,268	0,36	0,22	252	253
3x95/16 rm	70,0	9850	500	230	0,193	0,34	0,24	305	307
3x120/16 rm	73,0	11050	500	230	0,153	0,33	0,27	350	352
3x150/25 rm	78,0	13450	500	240	0,124	0,32	0,29	392	397
3x185/25 rm	83,0	15250	350	220	0,0991	0,31	0,31	445	453
3x240/25 rm	88,0	17650	350	230	0,0754	0,30	0,34	520	529
3x300/25 rm	94,0	20500	250	220	0,0601	0,29	0,38	580	626
3x400/35 rm	101,0	24250	250	230	0,0470	0,28	0,41	650	720

rm:Stranded conductor

12/20 kV

XLPE INSULATED GALVANIZED ROUND STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



YXC8VZ2V-R N2XSEYRY

Code	YXC8VZ2V-R (TSE), N2XSEYRY (VDE)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive tape, copper tape screen, PVC inner sheath, PVC separation sheath, galvanized round steel wires and tape, PVC outer sheath
Application	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builds
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)	
(mm²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x35/16 rm	65,0	7450	1000	260	0,524	0,41	0,14	175	172
3x50/16 rm	68,0	8250	500	220	0,387	0,39	0,15	205	205
3x70/16 rm	72,0	9450	500	230	0,268	0,37	0,17	252	253
3x95/16 rm	77,0	11750	500	240	0,193	0,35	0,19	305	307
3x120/16 rm	81,0	12950	500	240	0,153	0,34	0,21	350	352
3x150/25 rm	84,0	14600	500	260	0,124	0,32	0,22	392	397
3x185/25 rm	89,0	16500	350	230	0,0991	0,31	0,24	445	453
3x240/25 rm	95,0	19000	350	240	0,0754	0,3	0,27	520	529
3x300/25 rm	100,0	21700	250	230	0,0601	0,29	0,29	580	626
3x400/35 rm	107,0	25600	250	240	0,0470	0,28	0,33	650	720

rm:Stranded conductor

18/30 kV

XLPE INSULATED GALVANIZED ROUND STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



YXC8VZ2V-R N2XSEYRY

Code	YXC8VZ2V-R (TSE), N2XSEYRY (VDE)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive tape,copper tape screen,PVC inner sheath,PVC seperation sheath,galvanized round steel wires and tape,PVC outer sheath
Application	Where there is mechanical heavy duties,underground,cable ducts, power distribution cabinets,city network,industrial builts
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)	
(mm²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x35/16 rm	79,0	10650	1000	260	0,524	0,45	0,11	175	172
3x50/16 rm	82,0	11650	500	230	0,387	0,43	0,12	205	205
3x70/16 rm	86,0	13000	500	240	0,268	0,41	0,14	252	253
3x95/16 rm	90,0	14500	500	240	0,193	0,38	0,15	305	307
3x120/16 rm	94,0	15850	500	260	0,153	0,37	0,16	350	352
3x150/25 rm	97,0	17650	500	260	0,124	0,36	0,17	392	397
3x185/25 rm	102,0	19500	350	260	0,0991	0,35	0,18	445	453
3x240/25 rm	108,0	22350	350	260	0,0754	0,33	0,21	520	529
3x300/25 rm	114,0	25000	250	240	0,0601	0,32	0,22	580	626
3x400/35 rm	121,0	29450	250	260	0,0470	0,31	0,25	650	720

rm:Stranded conductor

20.3/35 kV

XLPE INSULATED GALVANIZED ROUND STEEL WIRE ARMoured MEDIUM VOLTAGE POWER CABLES



**YXC8VZ2V-R
N2XSEYRY**

Code	YXC8VZ2V-R, N2XSEYRY
Standarts	TS IEC 60502-2, TSE K 204, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive tape, copper tape screen, PVC inner sheath, PVC separation sheath, galvanized round steel wires and tape, PVC outer sheath
Application	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builds
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information				
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)	Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)	
(mm²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(mikrofarad/km)	Ground (A) at 20 °C	Air (A) at 30 °C
3x35/16 rm	84,0	11600	500	240	0,524	0,47	0,11	175	172
3x50/16 rm	87,0	12600	500	260	0,387	0,45	0,12	205	205
3x70/16 rm	91,0	14000	500	260	0,268	0,42	0,13	252	253
3x95/16 rm	95,0	15600	350	240	0,193	0,40	0,15	305	307
3x120/16 rm	99,0	17000	350	260	0,153	0,39	0,16	350	352
3x150/25 rm	102,0	18800	350	260	0,124	0,37	0,17	392	397
3x185/25 rm	107,0	20800	300	240	0,0991	0,36	0,18	445	453
3x240/25 rm	113,0	23600	250	240	0,0754	0,35	0,20	520	529
3x300/25 rm	118,0	26650	250	260	0,0601	0,29	0,22	580	626
3x400/35 rm	125,0	30950	250	260	0,0470	0,28	0,24	650	720

rm:Stranded conductor





**3.6/6 - 20.3/35 KV Medium
Voltage XLPE Insulated
longitudinally
water-tight Power Cables**



3.6/6 kV

XLPE INSULATED SINGLE- CORE LONGITUDINALLY WATER -TIGHT POWER CABLE



N2XS(FL)2Y (VDE) Cu/XLPE/CWS/LW/PE(IEC)

Code	N2XS(FL)2Y (VDE), Cu/XLPE/CWS/LW/PE (IEC)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive swelling tape,copper wires screen,copper tape,swelling tape,Aluminium tape, PE outer sheath.
Application	Cables with very low dielectric losses are use with sudden load changes Networks and short-circuit currents in large residential and industrial areas,cable troughs, under the earth and the air. If the water enter the cables with mechanical effects, swelling tape acting as a holder prevents movement of the water.
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, Max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x25/16 rm	21,0	650	1000	120	0,727	0,77	0,43	0,25	182	150	196	163
1x35/16 rm	22,0	750	1000	130	0,524	0,75	0,41	0,28	200	190	238	198
1x50/16 rm	23,0	875	1000	140	0,387	0,72	0,39	0,31	240	225	286	238
1x70/16 rm	25,0	1075	1000	140	0,268	0,68	0,37	0,36	300	275	356	296
1x95/16 rm	27,0	1325	1000	160	0,193	0,65	0,36	0,40	360	330	434	361
1x120/16 rm	28,0	1575	1000	160	0,153	0,63	0,34	0,44	420	375	500	417
1x150/25 rm	30,0	2000	1000	160	0,124	0,62	0,33	0,48	475	420	559	473
1x185/25 rm	32,0	2300	1000	180	0,0991	0,60	0,32	0,52	542	470	637	543
1x240/25 rm	35,0	2850	1000	180	0,0754	0,57	0,30	0,57	590	550	745	641
1x300/25 rm	37,0	3600	1000	200	0,0601	0,56	0,29	0,60	620	586	846	735
1x400/35 rm	42,0	4550	1000	220	0,0470	0,55	0,28	0,63	670	660	938	845
1x500/35 rm	46,0	5550	500	160	0,0366	0,53	0,27	0,67	770	760	1040	950
1x630/35 rm	50,0	7200	500	180	0,0283	0,51	0,26	0,70	850	840	1120	1040

rm:Stranded conductor

6/10 kV

XLPE INSULATED SINGLE- CORE LONGITUDINALLY WATER -TIGHT POWER CABLE



N2XS(FL)2Y (VDE) Cu/XLPE/CWS/LW/PE(IEC)

Code	N2XS(FL)2Y (VDE), Cu/XLPE/CWS/LW/PE (IEC)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive swelling tape, copper wires screen, copper tape, swelling tape, Aluminium tape, PE outer sheath.
Application	Cables with very low dielectric losses are use with sudden load changes Networks and short-circuit currents in large residential and industrial areas, cable troughs, under the earth and the air. If the water enter the cables with mechanical effects, swelling tape acting as a holder prevents movement of the water.
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, Max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x25/16 rm	24,0	700	1000	140	0,727	0,78	0,45	0,20	182	109	150	183
1x35/16 rm	25,0	800	1000	140	0,524	0,75	0,43	0,22	200	166	238	198
1x50/16 rm	26,0	900	1000	140	0,387	0,73	0,41	0,24	240	196	286	238
1x70/16 rm	27,0	1125	1000	160	0,268	0,69	0,38	0,28	300	239	356	296
1x95/16 rm	29,0	1400	1000	160	0,193	0,66	0,36	0,32	360	285	434	361
1x120/16 rm	31,0	1650	1000	160	0,153	0,64	0,35	0,35	420	323	500	417
1x150/25 rm	33,0	2100	1000	160	0,124	0,62	0,34	0,38	475	361	559	473
1x185/25 rm	35,0	2400	1000	160	0,0991	0,61	0,33	0,41	542	406	637	543
1x240/25 rm	37,0	3000	1000	180	0,0754	0,58	0,32	0,46	590	469	745	641
1x300/25 rm	39,0	3650	1000	200	0,0601	0,56	0,31	0,50	620	526	846	735
1x400/35 rm	43,0	4600	1000	220	0,0470	0,55	0,30	0,57	670	590	938	845
1x500/35 rm	46,0	5600	500	160	0,0366	0,53	0,29	0,63	770	739	1006	950
1x630/35 rm	50,0	7200	500	200	0,0283	0,51	0,28	0,70	850	818	1130	1040

rm:Stranded conductor

8.7/15 kV

XLPE INSULATED SINGLE- CORE LONGITUDINALLY WATER -TIGHT POWER CABLE



N2XS(FL)2Y (VDE) Cu/XLPE/CWS/LW/PE(IEC)

Code	N2XS(FL)2Y (VDE), Cu/XLPE/CWS/LW/PE (IEC)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive swelling tape,copper wires screen,copper tape,swelling tape,Aluminium tape, PE outer sheath.
Application	Cables with very low dielectric losses are use with sudden load changes Networks and short-circuit currents in large residential and industrial areas,cable troughs, under the earth and the air. If the water enter the cables with mechanical effects, swelling tape acting as a holder prevents movement of the water.
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, Max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●		●●●	●●	●●●	●●
1x25/16 rm	25,0	775	1000	140	0,727	0,79	0,47	0,16	182	150	196	163
1x35/16 rm	26,0	925	1000	140	0,524	0,75	0,44	0,18	200	190	238	198
1x50/16 rm	27,0	975	1000	160	0,387	0,73	0,43	0,19	240	225	286	238
1x70/16 rm	29,0	1275	1000	160	0,268	0,70	0,40	0,22	300	275	356	296
1x95/16 rm	31,0	1525	1000	160	0,193	0,67	0,38	0,24	360	330	434	361
1x120/16 rm	32,0	1775	1000	160	0,153	0,65	0,37	0,27	420	375	500	417
1x150/25 rm	34,0	2225	1000	160	0,124	0,63	0,35	0,29	475	420	559	473
1x185/25 rm	36,0	2525	1000	180	0,0991	0,61	0,34	0,31	542	470	637	543
1x240/25 rm	39,0	3125	1000	200	0,0754	0,59	0,33	0,34	590	550	745	641
1x300/25 rm	41,0	3775	1000	220	0,0601	0,57	0,32	0,38	620	586	846	735
1x400/35 rm	44,0	4725	1000	220	0,0470	0,55	0,31	0,41	670	660	938	845
1x500/35 rm	48,0	5775	500	180	0,0366	0,53	0,30	0,46	770	760	1040	950
1x630/35 rm	52,0	7325	500	220	0,0283	0,51	0,29	0,53	850	850	1120	1040

rm:Stranded conductor

12/20 kV

XLPE INSULATED SINGLE- CORE LONGITUDINALLY WATER -TIGHT POWER CABLE



N2XS(FL)2Y (VDE) Cu/XLPE/CWS/LW/PE(IEC)

Code	N2XS(FL)2Y (VDE), Cu/XLPE/CWS/LW/PE (IEC)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive swelling tape, copper wires screen, copper tape, swelling tape, Aluminium tape, PE outer sheath.
Application	Cables with very low dielectric losses are use with sudden load changes Networks and short-circuit currents in large residential and industrial areas, cable troughs, under the earth and the air. If the water enter the cables with mechanical effects, swelling tape acting as a holder prevents movement of the water.
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, Max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	28,0	925	1000	140	0,524	0,75	0,44	0,16	200	190	238	198
1x50/16 rm	29,0	1050	1000	160	0,387	0,73	0,43	0,17	240	225	286	238
1x70/16 rm	31,0	1300	1000	160	0,268	0,70	0,40	0,19	300	275	356	296
1x95/16 rm	33,0	1600	1000	160	0,193	0,67	0,38	0,22	360	330	434	361
1x120/16 rm	35,0	1850	1000	160	0,153	0,65	0,37	0,24	420	375	500	417
1x150/25 rm	36,0	2300	1000	160	0,124	0,63	0,35	0,26	475	420	559	473
1x185/25 rm	38,0	2600	1000	180	0,0991	0,61	0,34	0,28	542	470	637	543
1x240/25 rm	41,0	3200	1000	200	0,0754	0,59	0,33	0,30	590	550	745	641
1x300/25 rm	43,0	3950	1000	220	0,0601	0,57	0,32	0,33	620	586	846	735
1x400/35 rm	46,0	4900	1000	220	0,0470	0,55	0,31	0,37	670	660	938	845
1x500/35 rm	50,0	5850	500	180	0,0366	0,53	0,30	0,41	770	760	1040	950
1x630/35 rm	53,0	7500	500	220	0,0283	0,51	0,29	0,45	850	840	1120	1040

rm:Stranded conductor

18/30 kV

XLPE INSULATED SINGLE- CORE LONGITUDINALLY WATER -TIGHT POWER CABLE



N2XS(FL)2Y (VDE) Cu/XLPE/CWS/LW/PE(IEC)

Code	N2XS(FL)2Y (VDE), Cu/XLPE/CWS/LW/PE (IEC)
Standarts	TS IEC 60502-2, VDE 0276
Construction	Copper conductor,inner semiconductive layer,XLPE insulation,Outer semiconductive layer,semiconductive swelling tape,copper wires screen,copper tape,swelling tape,Aluminium tape, PE outer sheath.
Application	Cables with very low dielectric losses are use with sudden load changes Networks and short-circuit currents in large residential and industrial areas,cable troughs, under the earth and the air. If the water enter the cables with mechanical effects, swelling tape acting as a holder prevents movement of the water.
Technical Datas	Max. operating temperature 90 ° C Max. permissible short circuit temperature 250 °C, Max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 ° C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 ° C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	33,0	1200	1000	140	0,524	0,77	0,49	0,12	200	190	238	198
1x50/16 rm	34,0	1300	1000	160	0,387	0,75	0,47	0,14	240	225	286	238
1x70/16 rm	36,0	1600	1000	160	0,268	0,71	0,44	0,15	300	275	356	296
1x95/16 rm	38,0	1850	1000	160	0,193	0,69	0,42	0,17	360	330	434	361
1x120/16 rm	39,0	2150	1000	160	0,153	0,66	0,41	0,18	420	375	500	417
1x150/25 rm	41,0	2600	1000	160	0,124	0,64	0,4	0,19	475	420	559	473
1x185/25 rm	43,0	2900	1000	180	0,0991	0,63	0,39	0,21	542	470	637	543
1x240/25 rm	45,0	3550	1000	200	0,0754	0,60	0,37	0,23	590	550	745	641
1x300/25 rm	48,0	4250	1000	220	0,0601	0,59	0,36	0,25	620	586	846	735
1x400/35 rm	53,0	5300	1000	220	0,0470	0,57	0,35	0,28	670	660	938	845
1x500/35 rm	56,0	6300	500	180	0,0366	0,55	0,34	0,30	770	760	1040	950
1x630/35 rm	60,0	8000	500	220	0,0283	0,52	0,33	0,33	850	840	1120	1040

rm:Stranded conductor

20.3/35 kV

XLPE INSULATED SINGLE- CORE LONGITUDINALLY WATER -TIGHT POWER CABLE



N2XS(FL)2Y (VDE) Cu/XLPE/CWS/LW/PE(IEC)

Code	N2XS(FL)2Y (VDE), Cu/XLPE/CWS/LW/PE (IEC)
Standarts	TSE IEC 60502-2, TSE K 204, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive swelling tape, copper wires screen, copper tape, swelling tape, Aluminium tape, PE outer sheath.
Application	Cables with very low dielectric losses are use with sudden load changes Networks and short-circuit currents in large residential and industrial areas, cable troughs, under the earth and the air. If the water enter the cables with mechanical effects, swelling tape acting as a holder prevents movement of the water.
Technical Datas	Max. operating temperature 90 °C Max. permissible short circuit temperature 250 °C, Max. for 5 sec. Min. Bending radius 15*D D: overall diameter

Dimensions and Weights					Electrical Information							
Nominal cross-section	Overall Diameter	Net weight	Standart delivery lenght	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating apacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	37,0	1300	1000	180	0,524	0,77	0,51	0,11	200	190	238	198
1x50/16 rm	38,0	1400	1000	200	0,387	0,7	0,49	0,12	240	225	286	238
1x70/16 rm	39,0	1700	1000	220	0,268	0,71	0,46	0,13	300	275	356	296
1x95/16 rm	41,0	2000	1000	220	0,193	0,69	0,44	0,15	360	330	434	361
1x120/16 rm	42,0	2250	1000	220	0,153	0,66	0,42	0,16	420	375	500	417
1x150/25 rm	44,0	2700	1000	220	0,124	0,64	0,41	0,17	475	420	559	473
1x185/25 rm	46,0	3050	1000	220	0,0991	0,63	0,39	0,18	542	470	637	543
1x240/25 rm	48,0	3700	1000	240	0,0754	0,60	0,38	0,20	590	550	745	641
1x300/25 rm	51,0	4400	1000	260	0,0601	0,59	0,37	0,21	620	586	846	735
1x400/35 rm	54,0	5400	500	220	0,0470	0,57	0,35	0,23	670	660	938	845
1x500/35 rm	57,0	6400	500	220	0,0366	0,55	0,34	0,26	770	760	1040	950
1x630/35 rm	61,0	8150	500	220	0,0283	0,52	0,33	0,29	850	850	1120	1040

rm:Stranded conductor









9

**0,6/1 KV ALUMINUM
CONDUCTOR LOW
VOLTAGE CABLES**









0,6/1 kV

PVC INSULATED WITH ALUMINUM CONDUCTOR POWER CABLES



YAVV-R(TSE)
NAYY (VDE)
AL/PVC/PVC (BS)

Code	YAVV-R (TSE), NAYY (VDE), AL/PVC/PVC (BS)
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, PVC insulated, PVC Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 70°C Max. Short Circuit Temp. Cross S. ≤300 mm ² 160°C Cross S. >300 mm ² 140°C Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20°C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C		Air (A) at 30°C	
					●●●	●●●	●●●	●●●
1x25 rm	12,0	180	90	1,200	125	105	87	75
1x35 rm	13,0	220	100	0,868	151	127	131	113
1x50 rm	14,0	290	100	0,641	179	151	160	138
1x70 rm	16,0	360	110	0,443	218	186	202	174
1x95 rm	18,0	460	120	0,320	261	223	249	210
1x120 rm	20,0	580	120	0,253	297	254	291	244
1x150 rm	22,0	710	130	0,206	332	285	333	271
1x185 rm	24,0	870	140	0,164	376	323	384	320
1x240 rm	27,0	1125	150	0,125	437	378	460	378
1x300 rm	30,0	1350	160	0,100	494	427	530	493
1x400 rm	33,0	1700	180	0,0778	572	496	642	523
1x500 rm	38,0	2050	210	0,0605	649	562	744	603

rm : Stranded Conductor

0,6/1 kV

PVC INSULATED WITH ALUMINUM CONDUCTOR POWER CABLES



YAVV-R(TSE)
NAYY (VDE)
AL/PVC/PVC (BS)

Code	YAVV-R (TSE), NAYY (VDE), AL/PVC/PVC (BS)
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, PVC insulated, PVC Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 70°C Max. Short Circuit Temp. 160°C Min. Bending Radius 12*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
2x25 rm	22,0	630	130	1,200	-	91
2x35 rm	24,0	770	130	0,868	-	113
2x50 rm	28,0	1025	150	0,641	-	138
2x70 rm	31,0	1320	160	0,443	-	174
2x95 rm	35,0	1800	180	0,320	-	210
2x120 rm	39,0	2150	210	0,253	-	244
2x150 rm	43,0	2600	220	0,206	-	281
2x185 rm	47,0	3250	230	0,164	-	320
2x240 rm	53,0	4100	240	0,125	-	378

rm : Stranded Conductor

0,6/1 kV
PVC INSULATED WITH ALUMINUM CONDUCTOR POWER CABLES


YAVV-R(TSE)
NAYY (VDE)
AL/PVC/PVC (BS)

Code	YAVV-R (TSE), NAYY (VDE), AL/PVC/PVC (BS)
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, PVC insulated, PVC Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 70°C Max. Short Circuit Temp. Cross S. ≤300 mm ² 160°C Cross S. >300 mm ² 140°C Min. Bending Radius 12*D D: Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Ground (A) at 20°C
3x25 rm	23,0	720	130	1,200	99	83
3x35 rm	26,0	900	140	0,868	118	102
3x50 rm	30,0	1200	160	0,641	142	124
3x70 rm	33,0	1520	180	0,443	176	158
3x95 rm	38,0	2000	210	0,320	211	190
3x120 rm	42,0	2400	210	0,253	242	221
3x150 rm	45,0	3100	230	0,206	270	252
3x185 rm	50,0	3700	240	0,164	308	289
3x240 rm	57,0	4700	220*	0,125	363	339
3x300 rm	63,0	6000	230*	0,100	412	377
3x400 rm	71,0	7750	240*	0,0778	475	444

rm : Stranded Conductor

* For 500m Long Cable

0,6/1 kV
PVC INSULATED WITH ALUMINUM CONDUCTOR POWER CABLES


YAVV-R(TSE)
NAYY (VDE)
AL/PVC/PVC (BS)

Code	YAVV-R (TSE), NAYY (VDE), AL/PVC/PVC (BS)
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, PVC insulated, PVC Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 70°C Max. Short Circuit Temp. Cross S. ≤300 mm ² 160°C Cross S. >300 mm ² 140°C Min. Bending Radius 12*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
3x25/16 rm	25,0	800	140	1,200	99	83
3x35/16 rm	27,0	950	150	0,868	118	102
3x50/25 rm	32,0	1350	160	0,641	142	124
3x70/35 rm	35,0	1700	200	0,443	176	158
3x95/50 rm	40,0	2150	220	0,320	211	190
3x120/70 rm	44,0	2750	230	0,253	242	221
3x150/70 rm	48,0	3250	240	0,206	270	252
3x185/95 rm	54,0	4100	210*	0,164	308	289
3x240/120 rm	60,0	5150	230*	0,125	363	339
3x300/150 rm	66,0	6250	250*	0,100	412	377
3x400/185 rm	74,0	8250	260*	0,0778	475	444

rm : Stranded Conductor

* For 500m Long Cable

0,6/1 kV
PVC INSULATED WITH ALUMINUM CONDUCTOR POWER CABLES


YAVV-R(TSE)
NAYY (VDE)
AL/PVC/PVC
(BS)

Tip	YAVV-R (TSE), NAYY (VDE), AL/PVC/PVC (BS)
Standartlar	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, PVC insulated, PVC Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 70°C Max. Short Circuit Temp. Cross S. ≤300 mm ² 160°C Cross S. >300 mm ² 140°C Min. Bending Radius 12*D D: Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Ground (A) at 20°C
4x25 rm	26,0	900	140	1,200	99	83
4x35 rm	29,0	1100	150	0,868	118	102
4x50 rm	33,0	1520	160	0,641	142	124
4x70 rm	37,0	1900	200	0,443	176	158
4x95 rm	42,0	2500	220	0,320	211	190
4x120 rm	46,0	3050	230	0,253	242	221
4x150 rm	51,0	3900	240	0,206	270	252
4x185 rm	56,0	4600	210*	0,164	308	289
4x240 rm	64,0	5900	230*	0,125	363	339
4x300 rm	71,0	7250	230*	0,100	412	377
4x400 rm	79,0	9500	240*	0,0778	475	444

rm : Stranded Conductor

* For 500m Long Cable

0,6/1 kV

PVC INSULATED WITH ALUMINUM CONDUCTOR AND COPPER CONSANTRIC SHIELD POWER CABLES



YAVC7V-R (TSE)
NAYCY (VDE)

Code	YAVC7V-R (TSE), NAYCY (VDE)
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, PVC insulated, PVC Filler, Copper Consantric Shield, Copper Tape Helix, PVC Outer Sheath
Applications	Generally, these concentric conductors, which are used underground in the settlement areas, open the switch or the fuse connected to the network during any mechanical impact and prevent energy damage to the environment.
Technical Data	Max. Operating Temp. 70°C Max. Short Circuit Temp. Cross S. ≤300 mm ² 160°C Cross S. >300 mm ² 140°C Min. Bending Radius 12* D D: Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 20°C
3x25/16 rm	26,0	900	140	1,200	99	83
3x35/16 rm	29,0	1100	160	0,868	118	102
3x50/25 rm	32,0	1500	160	0,641	142	124
3x70/35 rm	37,0	2000	200	0,443	176	158
3x95/50 rm	42,0	2650	210	0,320	211	190
3x120/70 rm	45,0	3250	230	0,253	242	221
3x150/70 rm	50,0	3850	240	0,206	270	252
3x185/95 rm	55,0	4850	250	0,164	308	289
3x240/120 rm	63,0	6100	230*	0,125	363	339
3x300/150 rm	69,0	7450	240*	0,100	412	377
3x400/185 rm	77,0	9600	250*	0,0778	475	444

rm : Stranded Conductor

* For 500m Long Cable

0,6/1 kV
PVC INSULATED WITH ALUMINUM CONDUCTOR AND STEEL SHIELD POWER CABLES

YAVZ3V-R (TSE)
NAYFGbY (VDE)

Code	YAVZ3V-R (TSE), NAYFGbY (VDE)
Standards	TS IEC 60502-1, VDE 0271
Construction	Aluminum Conductor, PVC Insulation, PVC Filler, Galvanized Flat Steel, Galvanized Steel Helix Tape, PVC Outer Shield
Applications	It is used internally/externally under soil and in cable ducts as mechanical forcings are suitable for durable and heavy operating conditions.
Technical Data	Max. Operating Temp. 70°C Max. Short Circuit Temp. Cross S. ≤300 mm² 160°C Cross S. >300 mm² 140°C Min. Bending Radius 12* D D: Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 20°C
3x25/16 rm	28,0	1350	160	1,200	99	83
3x35/16 rm	31,0	1550	160	0,868	118	102
3x50/25 rm	35,0	2000	180	0,641	142	124
3x70/35 rm	38,0	2500	210	0,443	176	158
3x95/50 rm	44,0	3100	230	0,320	211	190
3x120/70 rm	48,0	3550	240	0,253	242	221
3x150/70 rm	51,0	4300	250	0,206	270	252
3x185/95 rm	56,0	5100	220*	0,164	308	289
3x240/120 rm	63,0	6250	230*	0,125	363	339
3x300/150 rm	70,0	7800	240*	0,100	412	377
3x400/185 rm	77,0	9900	230**	0,0778	475	444

rm : Stranded Conductor

*For 500m long cable

**For 250 m long cable

0,6/1 kV

PVC INSULATED WITH ALUMINUM CONDUCTOR AND STEEL SHIELD POWER CABLES



YAVZ3V-R (TSE)
NAYFGbY (VDE)

Code	YAVZ3V-R (TSE),NAYFGbY (VDE)
Standards	TS IEC 60502-1, VDE 0271
Construction	Aluminum Conductor, PVC Insulation, PVC Filler, Galvanized Flat Steel, Galvanized Steel Helix Tape, PVC Outer Shield
Applications	It is used internally/externally under soil and in cable ducts as mechanical forcings are suitable for durable and heavy operating conditions.
Technical Data	Max. Operating Temp. 70°C Max. Short Circuit Temp. Cross S. ≤300 mm ² 160°C Cross S. >300 mm ² 140°C Min. Bending Radius 12*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 20°C
4x25 rm	30,0	1450	160	1,200	99	83
4x35 rm	33,0	1750	160	0,868	118	102
4x50 rm	36,0	2250	180	0,641	142	124
4x70 rm	41,0	2750	220	0,443	176	158
4x95 rm	46,0	3400	230	0,320	211	190
4x120 rm	50,0	3950	240	0,253	242	221
4x150 rm	55,0	4900	220*	0,206	270	252
4x185 rm	60,0	5750	220*	0,164	308	289
4x240 rm	68,0	7050	230*	0,125	363	339
4x300 rm	73,0	9000	240*	0,100	412	377
4x400 rm	82,0	10800	240**	0,0778	475	444

rm : Stranded Conductor

*For 500m long cable

**For 250 m long cable

0,6/1 kV

PVC INSULATED WITH ALUMINUM CONDUCTOR AND STEEL SHIELD POWER CABLES

YAVZ2V-R

NAYRY



Code	YAVZ2V-R, NAYRY
Standards	TS IEC 60502-1, VDE 0271
Construction	Aluminum Conductor, PVC Insulation, PVC Filler, Galvanized Round Steel, Galvanized Steel Helix Tape, PVC Outer Shield
Applications	It is used internally/externally under soil and in cable ducts as mechanical forcings are suitable for durable and heavy operating conditions.
Technical Data	Max. Operating Temp. 70°C Max. Short Circuit Temp. Cross S. ≤300 mm ² 160°C Cross S. >300 mm ² 140°C Min. Bending Radius 12*D D: Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 20°C
3x25 rm	27,0	1450	130	1,200	99	83
3x35 rm	29,5	1700	140	0,868	118	102
3x50 rm	34,0	2300	160	0,641	142	124
3x70 rm	39,0	2800	180	0,443	176	158
3x95 rm	44,0	3550	210	0,320	211	190
3x120 rm	47,5	4350	210	0,253	242	221
3x150 rm	53,0	5300	230	0,206	270	252
3x185 rm	58,0	6200	240	0,164	308	289
3x240 rm	64,5	7550	220*	0,125	363	339
3x300 rm	71,0	9000	230*	0,100	412	377
3x400 rm	81,5	12000	210**	0,0778	475	444
4x25 rm	31,0	1650	160	1,200	99	83
4x35 rm	33,0	2000	180	0,868	118	102
4x50 rm	39,0	2900	210	0,641	142	124
4x70 rm	43,0	3450	220	0,443	176	158
4x95 rm	50,0	4600	240	0,320	211	190
4x120 rm	54,0	5300	210*	0,253	242	221
4x150 rm	58,0	6400	220*	0,206	270	252
4x185 rm	64,0	7400	230*	0,164	308	289
4x240 rm	71,0	9000	240*	0,125	363	339
4x300 rm	79,0	10250	220**	0,100	412	377
4x400 rm	88,0	14700	230**	0,0778	475	444

rm : Stranded Conductor

* For 500m long cable **For 250m long cable

0,6/1 kV

PVC INSULATED WITH ALUMINUM CONDUCTOR AND STEEL SHIELD POWER CABLES



YAVZ2V-R (TSE)
NAYFGbY (VDE)

Code	YAVZ2V-R (TSE), NAYRY (VDE)
Standards	TS IEC 60502-1, VDE 0271
Construction	Aluminum Conductor, PVC Insulation, PVC Filler, Galvanized Round Steel, Galvanized Steel Helix Tape, PVC Outer Shield
Applications	It is used internally/externally under soil and in cable ducts as mechanical forcings are suitable for durable and heavy operating conditions.
Technical Data	Max. Operating Temp. 70°C Max. Short Circuit Temp. Cross S. ≤300 mm ² 160°C Cross S. >300 mm ² 140°C Min. Bending Radius 12*D D: Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 20°C
3x25/16 rm	30,0	1600	160	1,200	99	83
3x35/16 rm	32,0	1850	160	0,868	118	102
3x50/25 rm	36,0	2350	180	0,641	142	124
3x70/35 rm	40,0	3050	210	0,443	176	158
3x95/50 rm	46,0	3750	230	0,320	211	190
3x120/70 rm	50,0	4800	240	0,253	242	221
3x150/70 rm	54,0	5600	250	0,206	270	252
3x185/95 rm	60,0	6500	220*	0,164	308	289
3x240/120 rm	66,0	7800	230*	0,125	363	339

rm : Stranded Conductor

0,6/1 kV

PVC INSULATED WITH ALUMINUM CONDUCTOR AND COPPER CONSANTRIC SHIELD POWER CABLES



**YAVC7V-R
NAYCY**

Code	YAVC7V-R (TSE), NAYCY (VDE)
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, PVC insulated, PVC Filler, Copper Consantric Shield, Copper Tape Helix, PVC Outer Sheath
Applications	Generally, these concentric conductors, which are used underground in the settlement areas, open the switch or the fuse connected to the network during any mechanical impact and prevent energy damage to the environment.
Technical Data	Max. Operating Temp. 70°C Max. Short Circuit Temp. Cross S. ≤300 mm² 160°C Cross S. >300 mm² 140°C Min. Bending Radius 12*D D: Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)			
(mm²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C		Air (A) at 20°C	
					●●●	●●●	●●●	●●●
1x25/16 rm	16,0	400	140	1,200	125	105	87	75
1x35/16 rm	17,0	450	160	0,868	151	127	131	113
1x50/25 rm	19,5	630	160	0,641	179	151	160	138
1x70/35 rm	21,5	800	200	0,443	218	186	202	174
1x95/50 rm	24,0	1050	210	0,320	261	223	249	210
1x120/70 rm	26,0	1350	220	0,253	297	254	291	244
1x150/70 rm	27,5	1500	230	0,206	332	285	333	271
1x185/95 rm	30,5	1900	240	0,164	376	323	384	320
1x240/120 rm	33,5	2350	250	0,125	437	378	460	378

rm : Stranded Conductor





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**0,6/1 KV ALUMINUM
CONDUCTOR XLPE LOW
VOLTAGE CABLES**

0,6/1 kV

XLPE INSULATED WITH PVC OUTER SHEATH ALUMINUM CONDUCTOR SINGLE CORE POWER CABLES



**YAXV-R
NA2XY**

Code	YAXV-R, NA2XY
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, XLPE insulation, PVC outer Steath
Applications	These cables with very low dielectric losses are used in power plants, in the residential and industrial areas, underground internal / external and in cable ducts where there is sudden load changes.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C		Air (A) at 30°C	
					●●●	●●●	●●●	●●●
1x25 rm	10,5	150	90	1,200	140	114	140	106
1x35 rm	12,0	180	90	0,868	164	137	163	131
1x50 rm	13,0	250	90	0,641	195	163	200	161
1x70 rm	15,0	300	100	0,443	238	201	254	205
1x95 rm	16,5	400	110	0,320	284	240	313	253
1x120 rm	18,5	500	120	0,253	323	274	366	296
1x150 rm	20,5	600	130	0,206	361	308	420	341
1x185 rm	23,0	750	150	0,164	408	350	486	395
1x240 rm	25,5	950	160	0,125	476	408	585	475
1x300 rm	28,0	1150	200	0,100	537	462	675	548
1x400 rm	32,0	1500	220	0,0778	616	531	798	647
1x500 rm	36,0	1850	240	0,0605	699	601	926	749

rm : Stranded Conductor

0,6/1 kV

XLPE INSULATED WITH PVC OUTER SHEATH ALUMINUM CONDUCTOR MULTICORE POWER CABLES



**YAXV-R
NA2XY**

Code	YAXV-R, NA2XY
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, XLPE insulation, PVC outer Steath
Applications	These cables with very low dielectric losses are used in power plants, in the residential and industrial areas, underground internal / external and in cable ducts where there is sudden load changes.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
2x25 rm	21,0	550	130	1,200	-	91
2x35 rm	23,0	750	130	0,868	-	113
2x50 rm	26,0	900	150	0,641	-	138
2x70 rm	30,0	1150	180	0,443	-	174
2x95 rm	33,0	1500	200	0,320	-	210
2x120 rm	37,0	1850	220	0,253	-	244
2x150 rm	41,0	2400	230	0,206	-	281
2x185 rm	46,0	2850	240	0,164	-	320
2x240 rm	50,0	3500	210*	0,125	-	378

rm : Stranded Conductor

* For 500m long cable

0,6/1 kV

XLPE INSULATED WITH PVC OUTER SHEATH ALUMINUM CONDUCTOR MULTICORE POWER CABLES



**YAXV-R
NA2XY**

Code	YAXV-R, NA2XY
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, XLPE insulation, PVC outer Steath
Applications	These cables with very low dielectric losses are used in power plants, in the residential and industrial areas, underground internal / external and in cable ducts where there is sudden load changes.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 12*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
3x25 rm	22,0	650	130	1,200	111	100
3x35 rm	24,5	800	140	0,868	132	122
3x50 rm	27,0	1100	160	0,641	157	147
3x70 rm	32,0	1400	180	0,443	195	189
3x95 rm	35,0	1800	200	0,320	233	232
3x120 rm	39,0	2150	210	0,253	266	270
3x150 rm	44,0	2750	220	0,206	299	308
3x185 rm	48,5	3350	230	0,164	340	357
3x240 rm	54,0	4200	240	0,125	401	435
3x300 rm	60,0	5450	220*	0,100	455	501
3x400 rm	67,0	7100	230*	0,0778	526	592

rm : Stranded Conductor

* For 500m long cable

0,6/1 kV

XLPE INSULATED WITH PVC OUTER SHEATH ALUMINUM CONDUCTOR MULTICORE POWER CABLES



**YAXV-R
NA2XY**

Code	YAXV-R, NA2XY
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, XLPE insulation, PVC outer Sheath
Applications	These cables with very low dielectric losses are used in power plants, in the residential and industrial areas, underground internal / external and in cable ducts where there is sudden load changes.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 12*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
4x25 rm	24,0	800	140	1,200	111	100
4x35 rm	26,5	950	150	0,868	132	122
4x50 rm	30,0	1300	160	0,641	157	147
4x70 rm	35,0	1700	200	0,443	195	189
4x95 rm	39,0	2150	220	0,320	233	232
4x120 rm	43,0	2700	230	0,253	266	270
4x150 rm	49,0	3400	240	0,206	299	308
4x185 rm	54,0	4100	250	0,164	340	357
4x240 rm	60,5	5250	230*	0,125	401	435
4x300 rm	66,0	6450	240*	0,100	455	501
4x400 rm	74,0	8900	250*	0,0778	526	592

rm : Stranded Conductor

* For 500m long cable

0,6/1 kV

XLPE INSULATED WITH PVC OUTER SHEATH ALUMINUM CONDUCTOR MULTICORE POWER CABLES



**YAXV-R
NA2XY**

Code	YAXV-R, NA2XY
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, XLPE insulation, PVC outer Steath
Applications	These cables with very low dielectric losses are used in power plants, in the residential and industrial areas, underground internal / external and in cable ducts where there is sudden load changes.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 12*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
3x25/16 rm	23,0	750	140	1,200	111	100
3x35/16 rm	25,0	850	150	0,868	132	122
3x50/25 rm	29,0	1200	160	0,641	157	147
3x70/35 rm	33,0	1550	200	0,443	195	189
3x95/50 rm	37,0	2000	220	0,320	233	232
3x120/70 rm	41,5	2500	230	0,253	266	270
3x150/70 rm	45,0	3000	240	0,206	299	308
3x185/95 rm	51,0	3650	250	0,164	340	357
3x240/120 rm	56,0	4700	230*	0,125	401	435
3x300/150 rm	63,0	5900	240*	0,100	455	501
3x400/185 rm	70,0	7550	250*	0,0778	526	592

rm : Stranded Conductor

* For 500m long cable



0,6/1 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, PVC OUTER SHEATH AND FLAT STEEL SHIELD POWER CABLES



**YAXZ3V-R
NA2XFGBY**

Code	YAXZ3V-R, NA2XFGBY
Standards	TS IEC 60502-1, VDE 0271
Construction	Aluminum Conductor, XLPE insulation, PVC Filler, Galvanized Flat Steel, Galvanized Steel Helix Tape, Pvc Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 12*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
3x25 rm	24,5	1100	140	1,200	111	100
3x35 rm	27,0	1300	150	0,868	132	122
3x50 rm	30,0	1650	180	0,641	157	147
3x70 rm	35,0	2100	210	0,443	195	189
3x95 rm	38,0	2600	220	0,320	233	232
3x120 rm	42,0	3100	230	0,253	266	270
3x150 rm	47,0	3850	240	0,206	299	308
3x185 rm	52,0	4650	250	0,164	340	357
3x240 rm	57,0	5500	240*	0,125	401	435
3x300 rm	63,0	6850	250*	0,100	455	501
3x400 rm	73,0	8650	260*	0,0778	526	592

rm : Stranded Conductor

*For 500m long cable

0,6/1 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, PVC
OUTER SHEATH AND FLAT STEEL SHIELD POWER CABLES



**YAXZ3V-R
NA2XFGBY**

Code	YAXZ3V-R, NA2XFGBY
Standards	TS IEC 60502-1, VDE 0271
Construction	Aluminum Conductor, XLPE insulation, PVC Filler, Galvanized Flat Steel, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 12*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
4x25 rm	26,5	1300	160	1,200	111	100
4x35 rm	30,0	1550	180	0,868	132	122
4x50 rm	33,0	1950	200	0,641	157	147
4x70 rm	37,5	2500	220	0,443	195	189
4x95 rm	41,5	3100	230	0,320	233	232
4x120 rm	46,5	3800	240	0,253	266	270
4x150 rm	52,0	4600	250	0,206	299	308
4x185 rm	57,0	5450	220*	0,164	340	357
4x240 rm	63,0	6700	230*	0,125	401	435
4x300 rm	70,0	8300	240*	0,100	455	501
4x400 rm	81,0	10650	250**	0,0778	526	592

rm : Stranded Conductor

*For 500m long cable

*For 250m long cable

0,6/1 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, PVC OUTER SHEATH AND FLAT STEEL SHIELD POWER CABLES



**YAXZ3V-R
NA2XFGBY**

Code	YAXZ3V-R, NA2XFGBY
Standards	TS IEC 60502-1, VDE 0271
Construction	Aluminum Conductor, XLPE insulation, PVC Filler, Galvanized Flat Steel, Galvanized Steel Helix Tape, Pvc Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 12*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
3x25/16 rm	25,0	1250	150	1,200	111	100
3x35/16 rm	27,0	1400	160	0,868	132	122
3x50/25 rm	31,0	1800	180	0,641	157	147
3x70/35 rm	35,5	2250	210	0,443	195	189
3x95/50 rm	39,5	2800	230	0,320	233	232
3x120/70 rm	44,0	3400	240	0,253	266	270
3x150/70 rm	48,0	4100	240	0,206	299	308
3x185/95 rm	53,0	4800	250	0,164	340	357
3x240/120 rm	58,0	5900	240*	0,125	401	435
3x300/150 rm	65,0	7300	250*	0,100	455	501
3x400/185 rm	75,0	9200	260*	0,0778	526	592

rm : Stranded Conductor

*For 500m long cable

0,6/1 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, PVC OUTER SHEATH AND ROUND ALUMINUM SHIELD POWER CABLES



**YAXY2V-R
NA2XR(A)Y**

Code	YAXY2V-R, NA2XR(A)Y
Standards	TS IEC 60502-1, VDE 0271
Construction	Aluminum Conductor, XLPE insulation, PVC Filler, Round Aluminum, PP Helix Tape, Pvc Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C		Air (A) at 30°C	
					●●●	●●●	●●●	●●●
1x25 rm	16,0	300	90	1,200	140	114	140	106
1x35 rm	18,0	400	90	0,868	164	137	163	131
1x50 rm	19,5	500	90	0,641	195	163	200	161
1x70 rm	21,0	600	100	0,443	238	201	254	205
1x95 rm	23,5	750	110	0,320	284	240	313	253
1x120 rm	25,0	900	120	0,253	323	274	366	296
1x150 rm	27,0	1050	130	0,206	361	308	420	341
1x185 rm	30,0	1200	150	0,164	408	350	486	395
1x240 rm	32,0	1500	160	0,125	476	408	585	475
1x300 rm	35,5	1850	200	0,100	537	462	675	548
1x400 rm	39,5	2300	220	0,0778	616	531	798	647
1x500 rm	43,0	3000	240	0,0605	699	601	926	749

rm : Stranded Conductor

*For 500m long cable

*For 250m long cable

0,6/1 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, PVC OUTER SHEATH AND ROUND STEEL SHIELD POWER CABLES



**YAXZ2V-R
NA2XRGBY**

Code	YAXZ2V-R, NA2XRGBY
Standards	TS IEC 60502-1, VDE 0271
Construction	Aluminum Conductor, XLPE insulation, PVC Filler, Galvanized Round Steel, Galvanized Steel Helix Tape, Pvc Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 12*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
3x25 rm	26,0	1300	140	1,200	111	100
3x35 rm	28,0	1550	150	0,868	132	122
3x50 rm	31,0	1950	180	0,641	157	147
3x70 rm	37,0	2700	210	0,443	195	189
3x95 rm	40,0	3200	220	0,320	233	232
3x120 rm	44,0	3750	230	0,253	266	270
3x150 rm	50,0	5000	220*	0,206	299	308
3x185 rm	55,0	5800	230*	0,164	340	357
3x240 rm	60,0	7100	240*	0,125	401	435
3x300 rm	67,0	8450	250*	0,100	455	501
3x400 rm	74,0	10400	260*	0,0778	526	592

rm : Stranded Conductor

*For 500m long cable

0,6/1 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, PVC OUTER SHEATH AND ROUND STEEL SHIELD POWER CABLES



**YAXZ2V-R
NA2XRGBY**

Code	YAXZ2V-R, NA2XRGBY
Standards	TS IEC 60502-1, VDE 0271
Construction	Aluminum Conductor, XLPE insulation, PVC Filler, Galvanized Round Steel, Galvanized Steel Helix Tape, Pvc Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 12*D D: Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
4x25 rm	28,0	1500	160	1,200	111	100
4x35 rm	31,0	1800	180	0,868	132	122
4x50 rm	35,0	2300	200	0,641	157	147
4x70 rm	40,0	3100	220	0,443	195	189
4x95 rm	44,0	3750	230	0,320	233	232
4x120 rm	50,0	5000	240	0,253	266	270
4x150 rm	54,0	5850	210*	0,206	299	308
4x185 rm	59,0	6900	220*	0,164	340	357
4x240 rm	64,0	8250	230*	0,125	401	435
4x300 rm	75,0	10100	240*	0,100	455	501
4x400 rm	83,0	13650	250**	0,0778	526	592

rm : Stranded Conductor

*For 500m long cable

**For 250m long cable

0,6/1 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, PVC OUTER SHEATH AND ROUND STEEL SHIELD POWER CABLES



YAXZ2V-R
NA2XRGBY

Code	YAXZ2V-R, NA2XRGBY
Standards	TS IEC 60502-1, VDE 0271
Construction	Aluminum Conductor, XLPE insulation, PVC Filler, Galvanized Round Steel, Galvanized Steel Helix Tape, Pvc Outer Sheath
Applications	Used in excessive mechanical stresses on internal-external ground and in the cable channel as Lightning and power cable.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 12*D D:Cable Overall Diameter(mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
3x25/16 rm	27,0	1450	150	1,200	111	100
3x35/16 rm	29,5	1650	160	0,868	132	122
3x50/25 rm	33,0	2050	180	0,641	157	147
3x70/35 rm	38,0	2900	210	0,443	195	189
3x95/50 rm	42,0	3450	230	0,320	233	232
3x120/70 rm	48,0	4250	240	0,253	266	270
3x150/70 rm	52,0	5250	220*	0,206	299	308
3x185/95 rm	57,0	5250	230*	0,164	340	357
3x240/120 rm	62,0	7500	240*	0,125	401	435
3x300/150 rm	64,0	8950	250*	0,100	455	501
3x400/185 rm	80,0	12000	230**	0,0778	526	592

rm : Stranded Conductor

*For 500m long cable

**For 250m long cable

0,6/1 kV

XLPE INSULATED WITH CONSANTRIC SHIELD, PVC OUTER SHEATH, ALUMINUM CONDUCTOR POWER CABLES



**YAXC7V-R
NA2XCY**

Code	YAXC7V-R , NA2XCY
Standards	TS IEC 60502-1, VDE 0276
Construction	Aluminum Conductor, XLPE insulated, PVC Filler, Copper Consantric Shield, Copper Tape Helix, PVC Outer Sheath
Applications	These cables with very low dielectric losses are used in power plants, in the residential and industrial areas, underground internal / external and in cable ducts where there is sudden load changes.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C Min. Bending Radius 12*D D:Cable Overall Diameter (mm)

Dimensions and Weight				Electrical Informations		
Nominal Cross Section	Overall Diameter	Net Weight	Delivery Reel Size For 1000 m Cable	Conductor DC (Max.) Resistance at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(cm)	(ohm/km)	Ground (A) at 20°C	Air (A) at 30°C
3x25/16 rm	25,0	900	140	1,200	111	100
3x35/16 rm	27,0	1000	160	0,868	132	122
3x50/25 rm	31,0	1400	160	0,641	157	147
3x70/35 rm	36,0	1850	200	0,443	195	189
3x95/50 rm	41,0	2450	230	0,320	233	232
3x120/70 rm	44,0	3100	240	0,253	266	270
3x150/70 rm	48,0	3650	210*	0,206	299	308
3x185/95 rm	54,0	4550	220*	0,164	340	357
3x240/120 rm	60,0	5650	240*	0,125	401	435

rm : Stranded Conductor

*For 500m long cable

**For 250m long cable

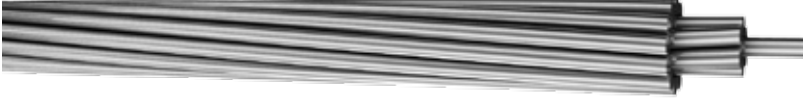


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**ALUMINUM
CONDUCTORS FOR AERIAL
LINES**



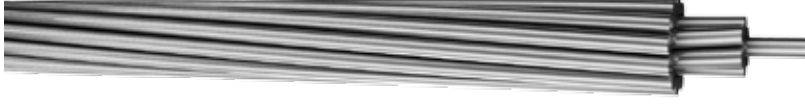
STRANDED ALUMINUM CONDUCTORS FOR AERIAL LINES (AAC)



Code	AAC
Standards	TS EN 50182, TEDAŞ-MYD 96/014
Construction	Uninsulated stranded aluminum conductor
Applications	Used in areas not available for underground cable transmission, in open areas where the cost of using underground cables is high, at low voltage aerial lines.

Nominal Cross Section	Canadian Standards		Cross Section For Whole Conductor	Copper Equivalent	Number of Rods and Diameters		Diameter For Whole Conductor	Nom. Tensile Strength	Conductor DC (Max.) Resistance at 20 °C	Net Weight
	mm ²	Type Section			Num.	Dia.				
21	Rose	4	21.14	13.30	7	1.96	5,88	416	1,3558	57,8
27	Lily	3	26.60	16.73	7	2.20	6,60	514	1,0776	72,8
34	Iris	2	33.53	21.09	7	2.47	7,41	637	0,8537	91,8
42	Pansy	1	42.49	26.72	7	2.78	8,34	777	0,6743	116,4
53	Popy	1/10	53.48	33.63	7	3.12	9,36	941	0,5354	146,4
67	Aster	2/0	67.14	42.22	7	3.50	10,50	1185	0,4254	184,4
85	Phlox	3/0	84.91	53.40	7	3.93	11,79	1435	0,3372	232,5
107	Oxlip	4/0	107.38	67.53	7	4.42	13,26	1814	0,2662	294,0
126	Valerian	250000	126.35	79.46	19	2.91	14,55	2261	0,2277	347,5
135	Daisy	266800	135.28	85.07	19	3.01	15,05	2421	0,2127	371,1
152	Peony	300000	151.81	95.47	19	3.19	15,85	2671	0,1896	417,2

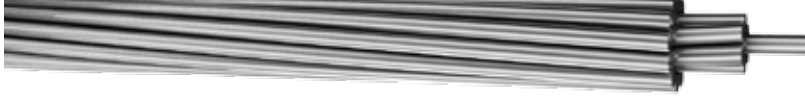
STEEL REINFORCED ALUMINIM CONDUCTORS (ACSR)



Code	ACSR
Standards	TS EN 50182, TEDAŞ MYD/96-014
Construction	Steel rods covered by uninsulated Aluminum conductors
Applications	Used in areas not available for underground cable transmission, in open areas where the cost of using underground cables is high, at low and high voltage aerial lines.

Type	Section	Aluminum Cross Section	Steel Cross Section	Total Section	AWG Section	Number of Steel Rods	Diameter of Steel Rods	Number of Alum.	Twist Diam. Of Conductor
		mm ²	mm ²	mm ²		Num.	mm	Num.	mm
TUHRUS	17/3	16,83	2,80	19,63	5	1	1,89	6	5,67
SWAN	21/4	21,18	3,53	24,71	4	1	2,12	6	6,36
SWALLOW	27/4	26,69	4,45	31,14	3	1	2,38	6	7,14
SPARROW	34/6	33,59	5,60	39,19	2	1	2,67	6	8,01
ROBIN	42/7	42,41	7,07	49,48	1	1	3,00	6	9,00
RAVEN	54/9	53,52	8,92	62,44	1/0	1	3,37	6	10,11
QUALL	67/11	67,33	11,22	78,55	2/0	1	3,78	6	11,34
PIGEON	85/14	85,12	14,18	99,30	3/0	1	4,25	6	12,75
WAXWING	135/7	134,98	7,50	142,48	266800	1	3,09	18	15,45
PARTRIGE	135/22	134,87	21,99	156,86	266800	7	2,00	26	16,28
PHEOBE	152/8	152,09	8,45	160,54	300000	1	3,28	18	16,40
OSTRICH	152/25	152,19	24,71	176,90	300000	7	2,12	26	17,28
HAWK	242/39	241,65	39,19	280,84	477000	7	2,67	26	21,77
DRAKE	403/65	402,56	65,44	468,00	795000	7	3,45	26	28,11
CARDİNAL	485/63	484,53	62,81	547,34	954000	7	3,38	54	30,42
PHEASANT	645/82	645,08	81,71	726,79	1272000	19	2,34	54	35,10

STEEL REINFORCED ALUMINIM CONDUCTORS (ACSR)



Code	ACSR
Standards	TS EN 50182, TEDAŞ MYD/96-014
Construction	Steel rods covered by uninsulated Aluminum conductors
Applications	Used in areas not available for underground cable transmission, in open areas where the cost of using underground cables is high, at low and high voltage aerial lines.

Type	Tensile Strength	Conductor DC (Max.) Resistance at 20 °C	Aluminium Net Weight	Steel Net Weight	Total Weight	Reel Size	Length of 1 Reel	Net Weight
	N/mm ²	Ohm/km	Kg/km	Kg/km	Kg/km	cm	m	Kg
TUHRUS	665,0	1,0750	46,20	21,80	68,00	100	6*1600	653
SWAN	831,0	1,3550	58,10	27,50	85,60	100	5*1600	685
SWALLOW	1038,0	1,0742	73,20	34,60	107,80	100	2*3200	690
SPARROW	1264,0	0,8540	92,10	43,60	135,70	100	3*1600	652
ROBIN	1579,0	0,6770	116,40	55,00	171,40	100	2*1600	550
RAVEN	1945,0	0,5360	146,80	69,40	216,20	100	2*1600	692
QUALL	2430,0	0,4260	184,70	87,30	272,00	100	2.400	653
PIGEON	2995,0	0,3366	233,50	110,40	343,90	100	1.600	550
WAXWING	3220,0	0,2130	371,80	58,30	430,10	100	1.600	688
PARTRIGE	5113,0	0,2140	372,20	171,60	543,80	120	1.600	870
PHEOBE	3628,0	0.1891	418,90	65,70	484,60	120	2.000	1.212
OSTRICH	5736,0	0,1900	420,00	192,60	612,60	120	1.600	981
HAWK	8792,0	0,1194	666,80	306,00	972,80	150	1.600	1.567
DRAKE	14165,0	0,0720	1110,90	511,00	1621,90	180	1.600	2.595
CARDİNAL	15589,0	0,0600	1339,60	190,20	1529,80	200	2.100	3.843
PHEASANT	20383,0	0,0450	1783,80	639,70	2423,50	300	1.500	3.636



**0.6/1 KV PE INSULATED WITH
HANGER RODS AND ALUMINUM
CONDUCTOR AERIAL LINE CABLES
(AER)**

Code	AER
Standards	TS 11654, TEDAŞ-MYD/2005-051
Construction	Aluminum Conductor, PE Insulation, Hanger Rods
Applications	For Sites close to dangers and are dangerous for human life, places where underground cables are not used instead of uninsulated lines, streets and road lighting networks, rural areas, are used in houses.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C (for max. 5 sec)

INSULATED CONDUCTORS					
Distribution Lines					
Number of Rods and Nominal Cross Section	Number of Rods and Cross Section	Number of Rods	Average Conductor Diameter	Conductor DC (Max.) Resistance	Current Carrying Capacity In
mm ²	mm ²	Adet	mm	ohm/km	A
1x16+25	1x16	1	4,4	1,910	75
1x25+35	1x25	7	5,9	1,200	100
1x35+50	1x35	7	6,9	0,868	125
3x16+25	3x16	1	4,4	1,910	70
3x25+35	3x25	7	5,9	1,200	90
3x35+50	3x35	7	6,9	0,868	115
3x50+70	3x50	7	8,1	0,641	140
3x70+95	3x70	7	9,7	0,443	180
3x120+95	3x120	19	12,8	0,253	250
4x16+25	4x16	1	4,4	1,910	70
4x25+35	4x25	7	5,9	1,200	90
4x35+50	4x35	7	6,9	0,868	115
4x50+70	4x50	7	8,1	0,641	140
4x70+95	4x70	7	9,7	0,443	180
1x16+1x16+25	1x16	1	4,4	1,910	70
3x16+1x16+25	3x16	1	4,4	1,910	60
3x25+1x16+35	3x25	7	5,9	1,200	80
3x35+1x16+50	3x35	7	6,9	0,868	95
3x50+1x16+70	3x50	7	8,1	0,641	120
3x70+1x16+95	3x70	7	9,7	0,443	150
4x16+1x16+25	4x16	1	4,4	1,910	60
4x25+1x16+35	4x25	7	5,9	1,200	80
4x35+1x16+50	4x35	7	6,9	0,868	95
4x50+1x16+70	4x50	7	8,1	0,641	120
4x70+1x16+95	4x70	7	9,7	0,443	150



**0.6/1 KV PE INSULATED WITH
HANGER RODS AND ALUMINUM
CONDUCTOR AERIAL LINE
CABLES (AER)**

Code	AER
Standards	TS 11654, TEDAŞ-MYD/2005-051
Construction	Aluminum Conductor, PE Insulation, Hanger Rods
Applications	For Sites close to dangers and are dangerous for human life, places where underground cables are not used instead of uninsulated lines, streets and road lighting networks, rural areas, are used in houses.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C (for max. 5 sec)

INSULATED CONDUCTORS						
Street Lightning		Hanger Rods			Cable	
Number and Section	Current carrying Capacity	Avr. Diameter of Hanger Rod	Min. Tensile Strength	Conductor DC Max. Resistance at 20 °C	Max. Cable Diameter	Appr. Weight
mm ²	A	mm	kN	ohm/km	mm	Kg/km
-	-	5,90	7,40	1,380	15	140
-	-	6,90	10,30	0,986	17	200
-	-	8,10	14,20	0,720	20	275
-	-	5,90	7,40	1,380	22	275
-	-	6,90	10,30	0,986	26	400
-	-	8,10	14,20	0,720	30	575
-	-	9,60	20,60	0,493	35	750
-	-	11,40	27,90	0,363	41	1.050
-	-	11,40	27,90	0,363	47	1.550
-	-	5,90	7,40	1,380	24	375
-	-	6,90	10,30	0,986	28	550
-	-	8,10	14,20	0,720	32	750
-	-	9,60	20,60	0,493	38	1.000
-	-	11,40	27,90	0,363	45	1.350
1x16	60	5,90	7,40	1,380	15	225
1x16	60	5,90	7,10	1,380	22	350
1x16	60	6,90	10,30	0,986	26	475
1x16	60	8,10	14,20	0,720	30	625
1x16	60	9,60	20,60	0,493	35	800
1x16	60	11,40	27,90	0,363	41	1.100
1x16	60	5,90	7,40	1,380	25	450
1x16	60	6,90	10,30	0,986	30	610
1x16	60	8,10	14,20	0,720	34	810
1x16	60	9,60	20,60	0,493	40	1.060
1x16	60	11,40	27,90	0,363	47	1.420



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**3,6/6-20,3/35 KV
ALUMINUM CONDUCTOR
XLPE MEDIUM VOLTAGE
CABLES**



3,6/6 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC7V-R (TSE)
NA2XSY(VDE)
2AXSY(IEC)
Al/XLPE/SC/PVC(BS)**

Code	YAXC7V-R (TSE), NA2XSY(VDE), 2AXSY(IEC), Al/XLPE/SC/PVC (BS)
Standards	TS IEC 60502-2, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/ km)	(mH/km)		(µF/km)	Ground (A) at 20°C		Air (A) at 30°C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x25/16 rm	19,0	500	1000	120	1,200	0,77	0,43	0,25	112	108	153	127
1x35/16 rm	21,0	550	1000	130	0,868	0,75	0,41	0,28	160	135	185	154
1x50/16 rm	23,0	600	1000	140	0,641	0,72	0,39	0,31	195	175	215	184
1x70/16 rm	25,0	700	1000	140	0,443	0,68	0,37	0,36	235	210	270	230
1x95/16 rm	27,0	800	1000	160	0,320	0,65	0,36	0,40	280	255	325	280
1x120/16 rm	28,0	900	1000	160	0,253	0,63	0,34	0,44	320	290	375	324
1x150/25 rm	30,0	1100	1000	160	0,206	0,62	0,33	0,48	352	320	425	368
1x185/25 rm	32,0	1250	1000	180	0,1640	0,60	0,32	0,52	400	365	485	424
1x240/25 rm	34,0	1450	1000	180	0,1250	0,57	0,30	0,57	460	425	570	502
1x300/25 rm	37,0	1700	1000	200	0,1000	0,56	0,29	0,60	515	475	645	565
1x400/35 rm	41,0	2200	1000	220	0,0788	0,55	0,28	0,63	570	540	735	660
1x500/35 rm	44,0	2600	1000	220	0,0605	0,53	0,27	0,67	630	610	830	745
1x630/35 rm	48,0	3050	1000	230	0,0469	0,51	0,26	0,70	720	690	945	850

rm : Stranded Conductor

6/10 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC7V-R (TSE)
NA2XSY(VDE)
2AXSY(IEC)
Al/XLPE/SC/PVC(BS)**

Code	YAXC7V-R (TSE), NA2XSY(VDE), 2AXSY(IEC), Al/XLPE/SC/PVC (BS)
Standards	TS IEC 60502-2, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter(mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resis. at 20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) at 20°C		Air (A) at 30°C	
						...	...		...	...	...	...
1x25/16 rm	22,0	550	1000	140	1,200	0,78	0,45	0,20	112	108	153	127
1x35/16 rm	23,0	600	1000	140	0,868	0,75	0,43	0,22	160	135	185	154
1x50/16 rm	24,0	650	1000	140	0,641	0,73	0,41	0,24	195	175	215	184
1x70/16 rm	26,0	750	1000	160	0,443	0,69	0,38	0,27	235	210	270	230
1x95/16 rm	27,0	870	1000	160	0,320	0,66	0,36	0,30	280	255	325	280
1x120/16 rm	29,0	970	1000	160	0,253	0,64	0,35	0,33	320	290	375	324
1x150/25 rm	31,0	1200	1000	160	0,206	0,62	0,34	0,36	352	320	425	368
1x185/25 rm	33,0	1300	1000	160	0,1640	0,61	0,33	0,39	400	365	485	424
1x240/25 rm	36,0	1550	1000	180	0,1250	0,58	0,32	0,44	460	425	570	502
1x300/25 rm	38,0	1800	1000	200	0,1000	0,56	0,31	0,48	515	475	645	565
1x400/35 rm	41,0	2250	1000	220	0,0788	0,55	0,30	0,53	570	540	735	660
1x500/35 rm	45,0	2600	1000	230	0,0605	0,53	0,29	0,59	630	610	830	745
1x630/35 rm	48,0	3050	1000	240	0,0469	0,51	0,28	0,68	720	690	945	850

rm : Stranded Conductor

8,7/15 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC7V-R (TSE)
NA2XSY(VDE)
2AXSY(IEC)
Al/XLPE/SC/PVC(BS)**

Code	YAXC7V-R (TSE), NA2XSY(VDE), 2AXSY(IEC), Al/XLPE/SC/PVC (BS)
Standards	TS IEC 60502-2, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance @20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) @20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) @20°C		Air (A) @30°C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x25/16 rm	25,0	600	1000	140	1,200	0,79	0,47	0,16	112	108	153	127
1x35/16 rm	26,0	650	1000	140	0,868	0,75	0,44	0,18	160	135	185	154
1x50/16 rm	27,0	750	1000	160	0,641	0,73	0,43	0,19	195	175	215	184
1x70/16 rm	29,0	850	1000	160	0,443	0,70	0,40	0,22	235	210	270	230
1x95/16 rm	31,0	950	1000	160	0,320	0,67	0,38	0,24	280	255	325	280
1x120/16 rm	32,0	1100	1000	160	0,253	0,65	0,37	0,27	320	290	375	324
1x150/25 rm	33,0	1300	1000	160	0,206	0,63	0,35	0,29	352	320	425	368
1x185/25 rm	35,0	1450	1000	180	0,1640	0,61	0,34	0,31	400	365	485	424
1x240/25 rm	38,0	1700	1000	200	0,1250	0,59	0,33	0,34	460	425	570	502
1x300/25 rm	40,0	1900	1000	220	0,1000	0,57	0,32	0,38	515	475	645	565
1x400/35 rm	44,0	2400	1000	220	0,0788	0,55	0,31	0,41	570	540	735	660
1x500/35 rm	47,0	2800	1000	230	0,0605	0,53	0,30	0,46	630	610	830	745
1x630/35 rm	52,0	3250	1000	240	0,0469	0,51	0,29	0,53	720	690	945	850

rm : Stranded Conductor

12/20 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC7V-R (TSE)
NA2XSY(VDE)
2AXSY(IEC)
Al/XLPE/SC/PVC(BS)**

Code	YAXC7V-R (TSE), NA2XSY(VDE), 2AXSY(IEC), Al/XLPE/SC/PVC (BS)
Standards	TS IEC 60502-2, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/ km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) at 20°C		Ground (A) at 30°C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	27,0	750	1000	160	0,868	0,75	0,44	0,16	160	135	185	154
1x50/16 rm	28,0	800	1000	180	0,641	0,73	0,43	0,17	195	175	215	184
1x70/16 rm	30,0	950	1000	180	0,443	0,70	0,40	0,19	235	210	270	230
1x95/16 rm	32,0	1050	1000	180	0,320	0,67	0,38	0,22	280	255	325	280
1x120/16 rm	33,0	1200	1000	180	0,253	0,65	0,37	0,24	320	290	375	324
1x150/25 rm	35,0	1400	1000	180	0,206	0,63	0,35	0,26	352	320	425	368
1x185/25 rm	37,0	1550	1000	200	0,1640	0,61	0,34	0,28	400	365	485	424
1x240/25 rm	39,0	1800	1000	220	0,1250	0,59	0,33	0,30	460	425	570	502
1x300/25 rm	42,0	2050	1000	240	0,1000	0,57	0,32	0,33	515	475	645	565
1x400/35 rm	45,0	2550	1000	240	0,0788	0,55	0,31	0,37	570	540	735	660
1x500/35 rm	49,0	2900	1000	240	0,0605	0,53	0,30	0,41	630	610	830	745
1x630/35 rm	52,0	3400	1000	260	0,0469	0,51	0,29	0,45	720	690	945	850

rm : Stranded Conductor

18/30 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC7V-R (TSE)
NA2XSY(VDE)
2AXSY(IEC)
Al/XLPE/SC/PVC(BS)

Code	YAXC7V-R (TSE), NA2XSY(VDE), 2AXSY(IEC), Al/XLPE/SC/PVC (BS)
Standards	TS IEC 60502-2, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C ,For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter(mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance @20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) @20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) @20°C		Air (A) @30°C	
						...	...		...	...	...	...
1x35/16 rm	33,0	1000	1000	160	0,868	0,77	0,49	0,12	160	135	185	154
1x50/16 rm	34,0	1100	1000	180	0,641	0,75	0,47	0,14	195	175	215	184
1x70/16 rm	36,0	1200	1000	180	0,443	0,71	0,44	0,15	235	210	270	230
1x95/16 rm	38,0	1400	1000	180	0,320	0,69	0,42	0,17	280	255	325	280
1x120/16 rm	39,0	1500	1000	180	0,253	0,66	0,41	0,18	320	290	375	324
1x150/25 rm	40,0	1750	1000	180	0,206	0,64	0,4	0,19	352	320	425	368
1x185/25 rm	42,0	1900	1000	200	0,1640	0,63	0,39	0,21	400	365	485	424
1x240/25 rm	44,0	2200	1000	220	0,1250	0,60	0,37	0,23	460	425	570	502
1x300/25 rm	47,0	2450	1000	240	0,1000	0,59	0,36	0,25	515	475	645	565
1x400/35 rm	52,0	3000	1000	240	0,0788	0,57	0,35	0,28	570	540	735	660
1x500/35 rm	56,0	3400	1000	240	0,0605	0,55	0,34	0,30	630	610	830	745
1x630/35 rm	59,0	3900	1000	260	0,0469	0,52	0,33	0,33	720	690	945	850

rm : Stranded Conductor

20,3/35 kV

XLPE INSULATED WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC7V-R (TSE)
NA2XSY(VDE)
2AXSY(IEC)
Al/XLPE/SC/PVC(BS)

Code	YAXC7V-R (TSE), NA2XSY(VDE), 2AXSY(IEC), Al/XLPE/SC/PVC (BS)
Standards	TS IEC 60502-2, TSE K 204, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) at 20°C		Air (A) at 30°C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	34,0	1100	1000	180	0,868	0,77	0,51	0,11	160	135	185	154
1x50/16 rm	35,0	1200	1000	200	0,641	0,75	0,49	0,12	195	175	215	184
1x70/16 rm	37,0	1350	1000	220	0,443	0,71	0,46	0,13	235	210	270	230
1x95/16 rm	39,0	1500	1000	220	0,320	0,69	0,44	0,15	280	255	325	280
1x120/16 rm	40,0	1600	1000	220	0,253	0,66	0,42	0,16	320	290	375	324
1x150/25 rm	42,0	1850	1000	220	0,206	0,64	0,41	0,17	352	320	425	368
1x185/25 rm	44,0	2050	1000	220	0,1640	0,63	0,39	0,18	400	365	485	424
1x240/25 rm	47,0	2300	1000	220	0,1250	0,60	0,38	0,20	460	425	570	502
1x300/25 rm	49,0	2600	1000	240	0,1000	0,59	0,37	0,21	515	475	645	565
1x400/35 rm	52,0	3100	1000	240	0,0788	0,57	0,35	0,23	570	540	735	660
1x500/35 rm	56,0	3550	1000	240	0,0605	0,55	0,34	0,26	630	610	830	745
1x630/35 rm	60,0	4100	1000	260	0,0469	0,52	0,33	0,29	720	690	945	850

rm : Stranded Conductor

3,6/6 kV

XLPE INSULATED, ROUNDED ALUMINUM ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC7VY2V-R (TSE)
NA2XSYR(AL)Y (VDE)
2AXSY(IEC)
Al/XLPE/SC/PVC/
AWA/PVC (BS)

Code	YAXC7VY2V-R (TSE), NA2XSYR(AL)Y (VDE), Al/XLPE/SC/PVC/AWA/PVC (BS)
Standards	TS IEC 60502-2, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Separator Sheath, Aluminum Rounded Rod Shield, Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) at 20°C		Air (A) at 30°C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x25/16 rm	25,0	700	1000	130	1,200	0,77	0,43	0,25	112	108	153	127
1x35/16 rm	26,0	750	1000	140	0,868	0,75	0,41	0,28	160	135	185	154
1x50/16 rm	27,5	850	1000	140	0,641	0,72	0,39	0,31	195	175	215	184
1x70/16 rm	29,5	950	1000	160	0,443	0,68	0,37	0,36	235	210	270	230
1x95/16 rm	31,5	1100	1000	160	0,320	0,65	0,36	0,40	280	255	325	280
1x120/16 rm	33,0	1200	1000	160	0,253	0,63	0,34	0,44	320	290	375	324
1x150/25 rm	35,5	1500	1000	180	0,206	0,62	0,33	0,48	352	320	425	368
1x185/25 rm	37,5	1650	1000	180	0,1640	0,60	0,32	0,52	400	365	485	424
1x240/25 rm	40,0	1950	1000	200	0,1250	0,57	0,30	0,57	460	425	570	502
1x300/25 rm	43,0	2250	1000	220	0,1000	0,56	0,29	0,60	515	475	645	585
1x400/35 rm	48,0	2950	1000	230	0,0788	0,55	0,28	0,63	570	540	735	660
1x500/35 rm	52,5	3400	1000	240	0,0605	0,53	0,27	0,67	630	610	830	745
1x630/35 rm	56,0	3950	1000	260	0,0469	0,51	0,26	0,70	720	690	955	850

rm : Stranded Conductor

6/10 kV

XLPE INSULATED, ROUNDED ALUMINUM ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC7VY2V-R (TSE)
NA2XSYR(AL)Y (VDE)
AI/XLPE/SC/PVC/
AWA/PVC (BS)

Code	YAXC7VY2V-R (TSE), NA2XSYR(AL)Y (VDE), AI/XLPE/SC/PVC/AWA/PVC (BS)
Standards	TS IEC 60502-2, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Separator Sheath, Aluminum Rounded Rod Shield, Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)			
(mm²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) at 20°C		Air (A) at 30°C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x25/16 rm	27,0	750	1000	140	1,200	0,78	0,45	0,20	112	108	153	127
1x35/16 rm	28,0	850	1000	140	0,868	0,75	0,43	0,22	160	135	185	154
1x50/16 rm	30,0	950	1000	160	0,641	0,73	0,41	0,24	195	175	215	184
1x70/16 rm	31,5	1050	1000	160	0,443	0,69	0,38	0,27	235	210	270	230
1x95/16 rm	33,0	1200	1000	160	0,320	0,66	0,36	0,30	280	255	325	280
1x120/16 rm	35,5	1400	1000	160	0,253	0,64	0,35	0,33	320	290	375	324
1x150/25 rm	37,0	1600	1000	160	0,206	0,62	0,34	0,36	352	320	425	368
1x185/25 rm	39,0	1800	1000	180	0,1640	0,61	0,33	0,39	400	365	485	424
1x240/25 rm	42,0	2050	1000	200	0,1250	0,58	0,32	0,44	460	425	570	502
1x300/25 rm	44,0	2300	1000	220	0,1000	0,56	0,31	0,48	515	475	645	565
1x400/35 rm	49,0	3000	1000	230	0,0788	0,55	0,30	0,53	570	540	735	660
1x500/35 rm	52,5	3450	1000	240	0,0605	0,53	0,29	0,59	630	610	830	745
1x630/35 rm	56,5	4000	1000	260	0,0469	0,51	0,28	0,68	720	690	945	850

rm : Stranded Conductor

8,7/15 kV

XLPE INSULATED, ROUNDED ALUMINUM ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC7VY2V-R (TSE)
NA2XSYR(AL)Y (VDE)
Al/XLPE/SC/PVC/
AWA/PVC (BS)

Code	YAXC7VY2V-R (TSE),NA2XSYR(AL)Y (VDE), Al/XLPE/SC/PVC/AWA/PVC (BS)
Standards	TS IEC 60502-2, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Separator Sheath, Aluminum Rounded Rod Shield, Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) at 20°C		Air (A) at 30°C	
						●●●	●●		●●●	●●	●●●	●●
1x25/16 rm	29,0	900	1000	140	1,200	0,79	0,47	0,16	112	108	153	127
1x35/16 rm	30,0	950	1000	160	0,868	0,75	0,44	0,18	160	135	185	154
1x50/16 rm	32,0	1050	1000	160	0,641	0,73	0,43	0,19	195	175	215	184
1x70/16 rm	34,0	1150	1000	160	0,443	0,70	0,40	0,22	235	210	270	230
1x95/16 rm	36,0	1400	1000	160	0,320	0,67	0,38	0,24	280	255	325	280
1x120/16 rm	38,0	1550	1000	160	0,253	0,65	0,37	0,27	320	290	375	324
1x150/25 rm	39,5	1750	1000	180	0,206	0,63	0,35	0,29	352	320	425	368
1x185/25 rm	41,5	1950	1000	200	0,1640	0,61	0,34	0,31	400	365	485	424
1x240/25 rm	44,0	2200	1000	220	0,1250	0,59	0,33	0,34	460	425	570	502
1x300/25 rm	47,5	2650	1000	220	0,1000	0,57	0,32	0,38	515	475	645	565
1x400/35 rm	51,5	3200	1000	230	0,0788	0,55	0,31	0,41	570	540	735	660
1x500/35 rm	55,0	3650	1000	240	0,0605	0,53	0,30	0,46	630	610	830	745
1x630/35 rm	59,0	4200	1000	260	0,0469	0,51	0,29	0,53	720	690	945	850

rm : Stranded Conductor

12/20 kV

XLPE INSULATED, ROUNDED ALUMINUM ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC7VY2V-R (TSE)
NA2XSYR(AL)Y (VDE)
Al/XLPE/SC/PVC/
AWA/PVC (BS)**

Code	YAXC7VY2V-R (TSE), NA2XSYR(AL)Y (VDE), Al/XLPE/SC/PVC/AWA/PVC (BS)
Standards	TS IEC 60502-2, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Separator Sheath, Aluminum Rounded Rod Shield, Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) at 20°C		Air (A) at 30°C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	32,5	1050	1000	160	0,868	0,75	0,44	0,16	160	135	185	154
1x50/16 rm	34,5	1200	1000	160	0,641	0,73	0,43	0,17	195	175	215	184
1x70/16 rm	36,5	1350	1000	160	0,443	0,70	0,40	0,19	235	210	270	230
1x95/16 rm	38,5	1500	1000	160	0,320	0,67	0,38	0,22	280	255	325	280
1x120/16 rm	40,0	1650	1000	180	0,253	0,65	0,37	0,24	320	290	375	324
1x150/25 rm	41,5	1900	1000	180	0,206	0,63	0,35	0,26	352	320	425	368
1x185/25 rm	43,5	2100	1000	200	0,1640	0,61	0,34	0,28	400	365	485	424
1x240/25 rm	47,0	2550	1000	220	0,1250	0,59	0,33	0,30	460	425	570	502
1x300/25 rm	50,0	2850	1000	220	0,1000	0,57	0,32	0,33	515	475	645	565
1x400/35 rm	53,5	3400	1000	230	0,0788	0,55	0,31	0,37	570	540	735	660
1x500/35 rm	57,0	3850	1000	240	0,0605	0,53	0,30	0,41	630	610	830	745
1x630/35 rm	61,0	4450	1000	260	0,0469	0,51	0,29	0,45	720	690	945	850

rm : Stranded Conductor

18/30 kV

XLPE INSULATED, ROUNDED ALUMINUM ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC7VY2V-R (TSE)
NA2XSYR(AL)Y (VDE)
AI/XLPE/SC/PVC/
AWA/PVC (BS)

Code	YAXC7VY2V-R (TSE),NA2XSYR(AL)Y (VDE), AI/XLPE/SC/PVC/AWA/PVC (BS)
Standards	TS IEC 60502-2, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Separator Sheath, Aluminum Rounded Rod Shield, Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) at 20°C		Air (A) at 30°C	
						●●●	●●		●●●	●●	●●●	●●
1x35/16 rm	39,0	1450	1000	200	0,868	0,77	0,49	0,12	160	135	185	154
1x50/16 rm	40,0	1550	1000	220	0,641	0,75	0,47	0,14	195	175	215	184
1x70/16 rm	42,0	1750	1000	220	0,443	0,71	0,44	0,15	235	210	270	230
1x95/16 rm	45,0	1900	1000	220	0,320	0,69	0,42	0,17	280	255	325	280
1x120/16 rm	47,0	2000	1000	220	0,253	0,66	0,41	0,18	320	290	375	324
1x150/25 rm	48,0	2500	1000	220	0,206	0,64	0,4	0,19	352	320	425	368
1x185/25 rm	50,0	2700	1000	230	0,1640	0,63	0,39	0,21	400	365	485	424
1x240/25 rm	53,0	3000	1000	240	0,1250	0,60	0,37	0,23	460	425	570	502
1x300/25 rm	55,0	3350	1000	240	0,1000	0,59	0,36	0,25	515	475	645	565
1x400/35 rm	59,0	4000	1000	240	0,0788	0,57	0,35	0,28	570	540	735	660
1x500/35 rm	63,0	4500	1000	250	0,0605	0,55	0,34	0,30	630	610	830	745
1x630/35 rm	67,0	5000	1000	260	0,0469	0,52	0,33	0,33	720	690	945	850

rm : Stranded Conductor

20,3/35 kV

XLPE INSULATED, ROUNDED ALUMINUM ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC7VY2V-R (TSE)
NA2XSYR(AL)Y (VDE)
Al/XLPE/SC/PVC/
AWA/PVC (BS)

Code	YAXC7VY2V-R (TSE), NA2XSYR(AL)Y (VDE), Al/XLPE/SC/PVC/AWA/PVC (BS)
Standards	TS IEC 60502-2, TSE K 204, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Separator Sheath, Aluminum Rounded Rod Shield, Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D: Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) at 20°C		Air (A) at 30°C	
						●●●	●●●		●●●	●●●	●●●	●●●
1x35/16 rm	41,0	1450	1000	200	0,868	0,77	0,51	0,11	160	135	185	154
1x50/16 rm	42,0	1550	1000	220	0,641	0,75	0,49	0,12	195	175	215	184
1x70/16 rm	44,0	1750	1000	220	0,443	0,71	0,46	0,13	235	210	270	230
1x95/16 rm	47,0	1900	1000	220	0,320	0,69	0,44	0,15	280	255	325	280
1x120/16 rm	48,5	2000	1000	220	0,253	0,66	0,42	0,16	320	290	375	324
1x150/25 rm	50,5	2500	1000	220	0,206	0,64	0,41	0,17	352	320	425	368
1x185/25 rm	52,5	2700	1000	230	0,1640	0,63	0,39	0,18	400	365	485	424
1x240/25 rm	55,0	3000	1000	240	0,1250	0,60	0,38	0,20	460	425	570	502
1x300/25 rm	57,0	3350	1000	240	0,1000	0,59	0,37	0,21	515	475	645	565
1x400/35 rm	61,0	4000	1000	240	0,0788	0,57	0,35	0,23	570	540	735	603
1x500/35 rm	65,0	4500	1000	250	0,0605	0,55	0,34	0,26	630	610	830	745
1x630/35 rm	69,0	5000	1000	260	0,0469	0,52	0,33	0,29	720	690	945	850

rm : Stranded Conductor

3,6/6 kV

XLPE INSULATED, FLAT STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC8VZ3V-R (TSE),
NA2XSEYFGbY(VDE)**

Code	YAXC8VZ3V-R (TSE), NA2XSEYFGbY(VDE)
Standards	TSE IEC 60502-2, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield , PVC Filler, PVC Separator Sheath, Galvanized Flat Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Industrial facilities, Underground cable channels
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter(mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(μF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	46,0	3200	1000	220	0,868	0,35	0,28	140	133
3x50/16 rm	48,0	3550	1000	240	0,641	0,34	0,30	160	150
3x70/16 rm	53,0	4200	1000	240	0,443	0,32	0,35	195	190
3x95/16 rm	57,0	4800	1000	260	0,320	0,31	0,39	235	238
3x120/16 rm	60,0	5500	500	220	0,253	0,30	0,43	275	274
3x150/25 rm	64,0	6200	500	220	0,206	0,29	0,47	305	309
3x185/25 rm	67,0	7100	500	240	0,1640	0,28	0,50	345	354
3x240/25 rm	74,0	8300	500	240	0,1250	0,27	0,55	410	415
3x300/25 rm	80,0	9800	500	260	0,1000	0,26	0,57	460	500
3x400/35 rm	88,0	12100	250	220	0,0788	0,26	0,59	520	560

rm : Stranded Conductor

6/10 kV

XLPE INSULATED, FLAT STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR,
SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC8VZ3V-R (TSE),
NA2XSEYFGbY(VDE)**

Code	YAXC8VZ3V-R (TSE), NA2XSEYFGbY(VDE)
Standards	TSE IEC 60502-2, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield , PVC Filler, PVC Separator Sheath, Galvanized Flat Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15 *DD: Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC Resistance at 20 °C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(µF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	50,0	3700	1000	240	0,868	0,38	0,22	140	133
3x50/16 rm	53,0	4100	1000	240	0,641	0,36	0,24	160	150
3x70/16 rm	57,0	4700	1000	260	0,443	0,34	0,27	195	190
3x95/16 rm	61,0	5500	500	220	0,320	0,32	0,30	235	238
3x120/16 rm	64,0	6100	500	220	0,253	0,31	0,33	275	274
3x150/25 rm	68,0	6700	500	220	0,206	0,30	0,36	305	309
3x185/25 rm	72,0	7700	500	240	0,1640	0,29	0,39	345	354
3x240/25 rm	77,0	9000	500	240	0,1250	0,28	0,44	410	415
3x300/25 rm	83,0	10500	250	220	0,1000	0,27	0,48	460	500
3x400/35 rm	90,0	12000	250	220	0,0788	0,26	0,53	520	560

rm : Stranded Conductor

8,7/15 kV

XLPE INSULATED, FLAT STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC8VZ3V-R (TSE),
NA2XSEYFGbY(VDE)**

Code	YAXC8VZ3V-R (TSE), NA2XSEYFGbY(VDE)
Standards	TSE IEC 60502-2, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield , PVC Filler, PVC Separator Sheath, Galvanized Flat Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel.
Technical Datas	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(µF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	56,0	4400	1000	240	0,868	0,40	0,18	140	133
3x50/16 rm	59,0	4900	500	220	0,641	0,38	0,19	160	150
3x70/16 rm	63,0	5500	500	220	0,443	0,36	0,22	195	190
3x95/16 rm	67,0	6200	500	220	0,320	0,34	0,24	235	238
3x120/16 rm	70,0	7000	500	240	0,253	0,33	0,27	275	274
3x150/25 rm	74,0	7700	500	240	0,206	0,32	0,29	305	309
3x185/25 rm	77,0	8600	500	260	0,1640	0,31	0,31	345	354
3x240/25 rm	84,0	10000	250	220	0,1250	0,30	0,34	410	415
3x300/25 rm	89,0	11500	250	220	0,1000	0,29	0,38	460	500
3x400/35 rm	95,0	13100	250	240	0,0788	0,28	0,41	520	560

rm : Stranded Conductor

12/20 kV

XLPE INSULATED, FLAT STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC8VZ3V-R (TSE),
NA2XSEYFGbY(VDE)**

Code	YAXC8VZ3V-R (TSE), NA2XSEYFGbY(VDE)
Standards	TSE IEC 60502-2, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield , PVC Filler, PVC Separator Sheath, Galvanized Flat Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)	
(mm²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(µF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	61,0	5000	500	220	0,868	0,41	0,14	140	133
3x50/16 rm	64,0	5500	500	220	0,641	0,39	0,15	160	150
3x70/16 rm	68,0	6400	500	220	0,443	0,37	0,17	195	190
3x95/16 rm	72,0	7000	500	240	0,320	0,35	0,19	235	238
3x120/16 rm	76,0	7800	500	240	0,253	0,34	0,21	275	274
3x150/25 rm	79,0	8500	500	240	0,206	0,32	0,22	305	309
3x185/25 rm	84,0	9000	500	260	0,1640	0,31	0,24	345	354
3x240/25 rm	90,0	10700	250	220	0,1250	0,3	0,27	410	415
3x300/25 rm	96,0	12000	250	220	0,1000	0,29	0,29	460	500
3x400/35 rm	103,0	14000	250	240	0,0788	0,28	0,33	520	560

rm : Stranded Conductor

18/30 kV

XLPE INSULATED, FLAT STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC8VZ3V-R (TSE),
NA2XSEYFGbY(VDE)**

Code	YAXC8VZ3V-R (TSE), NA2XSEYFGbY(VDE)
Standards	TSE IEC 60502-2, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, PVC Filler, PVC Separator Sheath, Galvanized Flat Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter(mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(μF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	73,0	6900	1000	260	0,868	0,45	0,11	140	133
3x50/16 rm	75,0	7400	500	220	0,641	0,43	0,12	160	150
3x70/16 rm	79,0	8200	500	220	0,443	0,41	0,14	195	190
3x95/16 rm	84,0	9000	500	260	0,320	0,38	0,15	235	238
3x120/16 rm	88,0	9900	500	260	0,253	0,37	0,16	275	274
3x150/25 rm	92,0	10700	500	260	0,206	0,36	0,17	305	309
3x185/25 rm	96,0	11800	350	240	0,1640	0,35	0,18	345	354
3x240/25 rm	102,0	13200	350	260	0,1250	0,33	0,21	410	415
3x300/25 rm	108,0	15000	250	260	0,1000	0,32	0,22	460	500

rm : Stranded Conductor

20,3/35 kV

XLPE INSULATED, FLAT STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC8VZ3V-R (TSE),
NA2XSEYFGbY(VDE)**

Code	YAXC8VZ3V-R (TSE), NA2XSEYFGbY(VDE)
Standards	TSE IEC 60502-2, TSE K 204, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, PVC Filler, PVC Separator Sheath, Galvanized Flat Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20°C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20°C	Current Carrying Capacity In (Appr.)	
(mm²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(µF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	78,0	7800	500	240	0,868	0,47	0,11	140	133
3x50/16 rm	81,0	8400	500	240	0,641	0,45	0,12	160	150
3x70/16 rm	85,0	9300	500	250	0,443	0,42	0,13	195	190
3x95/16 rm	90,0	10200	500	250	0,320	0,40	0,15	235	238
3x120/16 rm	94,0	11100	250	260	0,253	0,39	0,16	275	274
3x150/25 rm	97,0	12000	250	240	0,206	0,37	0,17	305	309
3x185/25 rm	100,0	13000	250	240	0,1640	0,36	0,18	345	354
3x240/25 rm	106,0	14800	250	250	0,1250	0,35	0,20	410	415
3x300/25 rm	113,0	16000	250	250	0,1000	0,29	0,22	460	500

rm : Stranded Conductor

3,6/6 kV

XLPE INSULATED, ROUNDED STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC8VZ2V-R
NA2XSEYRY

Code	YAXC8VZ2V-R, NA2XSEYRY
Standards	TSE IEC 60502-2, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield , PVC Filler, PVC Separator Sheath, Galvanized Rounded Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions and mechanical stres, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel.
Technical Data	Max. Operating Temp. 90°C
	Max. Short Circuit Temp. 250°C For Max. 5 Sec
	Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(µF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	48,5	4100	1000	240	0,868	0,35	0,28	140	133
3x50/16 rm	52,0	4600	1000	240	0,641	0,34	0,30	160	150
3x70/16 rm	55,0	5400	1000	240	0,443	0,32	0,35	195	190
3x95/16 rm	60,0	6000	500	220	0,320	0,31	0,39	235	238
3x120/16 rm	63,0	6300	500	220	0,253	0,30	0,43	275	274
3x150/25 rm	66,0	7000	500	220	0,206	0,29	0,47	305	309
3x185/25 rm	71,0	7800	500	220	0,1640	0,28	0,50	345	354
3x240/25 rm	78,0	10500	250	220	0,1250	0,27	0,55	410	415
3x300/25 rm	84,0	12000	250	220	0,1000	0,26	0,57	460	500
3x400/35 rm	92,0	14500	250	240	0,0788	0,26	0,59	520	560

rm : Stranded Conductor

6/10 kV

XLPE INSULATED, ROUNDED STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABL



YAXC8VZ2V-R
NA2XSEYRY

Code	YAXC8VZ2V-R, NA2XSEYRY
Standards	TSE IEC 60502-2, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield , PVC Filler, PVC Separator Sheath, Galvanized Rounded Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions and mechanical stres, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)	
(mm²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(µF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	54,0	5100	500	240	0,868	0,38	0,22	140	133
3x50/16 rm	57,0	5650	500	240	0,641	0,36	0,24	160	150
3x70/16 rm	61,0	6350	500	240	0,443	0,34	0,27	195	190
3x95/16 rm	65,0	7200	500	260	0,320	0,32	0,30	235	238
3x120/16 rm	69,0	8000	500	260	0,253	0,31	0,33	275	274
3x150/25 rm	72,0	8800	500	260	0,206	0,30	0,36	305	309
3x185/25 rm	78,0	10500	250	220	0,1640	0,29	0,39	345	354
3x240/25 rm	84,0	12300	250	220	0,1250	0,28	0,44	410	415
3x300/25 rm	90,0	13800	250	220	0,1000	0,27	0,48	460	500
3x400/35 rm	97,0	16000	250	240	0,0788	0,26	0,53	520	560

rm : Stranded Conductor

8,7/15 kV

XLPE INSULATED, ROUNDED STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC8VZ2V-R
NA2XSEYRY

Code	YAXC8VZ2V-R, NA2XSEYRY
Standards	TSE IEC 60502-2, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield , PVC Filler, PVC Separator Sheath, Galvanized Rounded Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions and mechanical stres, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(µF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	59,0	5500	500	240	0,868	0,40	0,18	140	133
3x50/16 rm	62,0	6000	500	240	0,641	0,38	0,19	160	150
3x70/16 rm	66,0	7000	500	240	0,443	0,36	0,22	195	190
3x95/16 rm	70,0	8000	500	240	0,320	0,34	0,24	235	238
3x120/16 rm	73,0	8500	500	260	0,253	0,33	0,27	275	274
3x150/25 rm	78,0	10000	500	260	0,206	0,32	0,29	305	309
3x185/25 rm	83,0	11500	250	220	0,1640	0,31	0,31	345	354
3x240/25 rm	88,0	13000	250	220	0,1250	0,30	0,34	410	415
3x300/25 rm	94,0	14500	250	240	0,1000	0,29	0,38	460	500
3x400/35 rm	101,0	16400	250	240	0,0788	0,28	0,41	520	560

rm : Stranded Conductor

12/20 kV

XLPE INSULATED, ROUNDED STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC8VZ2V-R
NA2XSEYRY

Code	YAXC8VZ2V-R, NA2XSEYRY
Standards	TSE IEC 60502-2, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield , PVC Filler, PVC Separator Sheath, Galvanized Rounded Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions and mechanical stres, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)	
(mm²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(µF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	65,0	6500	500	240	0,868	0,41	0,14	140	133
3x50/16 rm	68,0	7000	500	240	0,641	0,39	0,15	160	150
3x70/16 rm	72,0	8000	500	240	0,443	0,37	0,17	195	190
3x95/16 rm	77,0	9500	500	260	0,320	0,35	0,19	235	238
3x120/16 rm	81,0	10500	500	260	0,253	0,34	0,21	275	274
3x150/25 rm	84,0	11250	250	220	0,206	0,32	0,22	305	309
3x185/25 rm	89,0	12000	250	220	0,1640	0,31	0,24	345	354
3x240/25 rm	95,0	13500	250	240	0,1250	0,3	0,27	410	415
3x300/25 rm	100,0	15000	250	260	0,1000	0,29	0,29	460	500
3x400/35 rm	107,0	17600	250	260	0,0788	0,28	0,33	520	560

rm : Stranded Conductor

18/30 kV

XLPE INSULATED, ROUNDED STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



YAXC8VZ2V-R
NA2XSEYRY

Code	YAXC8VZ2V-R, NA2XSEYRY
Standards	TSE IEC 60502-2, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield , PVC Filler, PVC Separator Sheath, Galvanized Rounded Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions and mechanical stres, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)	
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)	(μF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	79,0	9500	500	260	0,868	0,45	0,11	140	133
3x50/16 rm	82,0	10000	500	260	0,641	0,43	0,12	160	150
3x70/16 rm	86,0	11000	250	220	0,443	0,41	0,14	195	190
3x95/16 rm	90,0	12000	250	220	0,320	0,38	0,15	235	238
3x120/16 rm	94,0	13000	250	240	0,253	0,37	0,16	275	274
3x150/25 rm	97,0	14000	250	240	0,206	0,36	0,17	305	309
3x185/25 rm	102,0	15000	250	240	0,1640	0,35	0,18	345	354
3x240/25 rm	108,0	17000	250	260	0,1250	0,33	0,21	410	415
3x300/25 rm	114,0	19000	250	260	0,1000	0,32	0,22	460	500
3x400/35 rm	121,0	21000	250	260	0,0788	0,31	0,25	520	560

rm : Stranded Conductor

20,3/35 kV

XLPE INSULATED, ROUNDED STEEL ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES



**YAXC8VZ2V-R
NA2XSEYRY**

Code	YAXC8VZ2V-R, NA2XSEYRY
Standards	TSE IEC 60502-2, Technical Specs, VDE 0276
Construction	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield , PVC Filler, PVC Separator Sheath, Galvanized Rounded Steel Rod Shield, Galvanized Steel Helix Tape, PVC Outer Sheath
Applications	Used in Under heavy operating conditions and mechanical stres, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel.
Technical Data	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter(mm)

Dimensions and Weight					Electrical Informations				
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)	Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)	
(mm²)	(mm)	(kg/k m)	(m)	(cm)	(ohm/km)	(mH/km)	(µF/km)	Ground (A) at 20°C	Air (A) at 30°C
3x35/16 rm	84,0	11000	500	260	0,868	0,47	0,11	140	133
3x50/16 rm	87,0	11500	500	260	0,641	0,45	0,12	160	150
3x70/16 rm	91,0	12500	250	240	0,443	0,42	0,13	195	190
3x95/16 rm	95,0	13500	250	240	0,320	0,40	0,15	235	238
3x120/16 rm	99,0	14500	250	240	0,253	0,39	0,16	275	274
3x150/25 rm	102,0	15700	250	240	0,206	0,37	0,17	305	309
3x185/25 rm	107,0	17000	250	260	0,1640	0,36	0,18	345	354
3x240/25 rm	113,0	19000	250	260	0,1250	0,35	0,20	410	415
3x300/25 rm	118,0	20500	250	260	0,1000	0,29	0,22	460	500
3x400/35 rm	125,0	23000	250	260	0,0788	0,28	0,24	520	560

rm : Stranded Conductor

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Technical Information



SYMBOLS OF TS AND CORRESPONDINGS TO VDE , IEC

Part Number	Harmonized type	VDE Code	TS Number	VDE Number	IEC Number	Rated Voltage	Insulation material
2	H05V-U	NYA	9758	0281-3	IEC 227/3	300/500V	PVC
2	H07V-U	NYA	9758	0281-3	IEC 227/3	450/750V	PVC
2	H07V-R	NYA	9758	0281-3	IEC 227/3	450/750V	PVC
2	H05V-K	NYAF	9758	0281-3	IEC 227/3	300/500V	PVC
2	H07V-K	NYAF	9758	0281-3	IEC 227/3	450/750V	PVC
2	H03VV-F	NYLHYrd	9760	0281-5	IEC 227/5	300/300V	PVC
2	H03VVH2-F	NYLHYfl	9760	0281-5	IEC 227/5	300/300V	PVC
2	H03VH-H	NYFAZ	9760	0281	IEC 227/5	300/300V	PVC
2	H05VV-F	NYMHY	9760	0281-5	IEC 227/5	300/500V	PVC
2	NVV (05VV-U)	NYM	9759	0250	IEC 227/5	300/500V	PVC
2	NVV (05VV-R)	NYM	9759	0250	IEC 227/5	300/500V	PVC
3	YV	YYY	TS IEC 60502-1	0271	IEC 60502-1	0.6/1 kV	PVC
3	YVZ2V	NYRY	TS IEC 60502-1	0271	IEC 60502-1	0.6/1 kV	PVC
3	YVZ3V	NYFGbY	TS IEC 60502-1	0271	IEC 60502-1	0.6/1 kV	PVC
3	YVC7V	NYCY	TS IEC 60502-1	0276	IEC 60502-1	0.6/1 kV	PVC
4	YXV	N2XY	TS IEC 60502-1	0276	IEC 60502-1	0.6/1 kV	XLPE
4	YXZ2V	N2XRY	TS IEC 60502-1	0276	IEC 60502-1	0.6/1 kV	XLPE
4	YXZ3V	N2XFGbY	TS IEC 60502-1	0276	IEC 60502-1	0.6/1 kV	XLPE
4	YXC7V	N2XCY	TS IEC 60502-1	-	IEC 60502-1	0.6/1 kV	XLPE
5	H07Z-U	-	TS HD 22.9	-	IEC 227/3	450/750V	XL-HFFR
5	H07Z-R	-	TS HD 22.9	-	IEC 227/3	450/750V	XL-HFFR
5	H07Z1-U	-	TS HD 21.15	-	IEC 227/3	450/750V	HFFR
5	H07Z1-R	-	TS HD 21.15	-	IEC 227/3	450/750V	HFFR
5	H05Z-K	-	TS HD 22.9	-	IEC 227/3	300/500V	XL-HFFR
5	H07Z-K	-	TS HD 22.9	-	IEC 227/3	450/750V	XL-HFFR
5	H05Z1-K	-	TS HD 21.15	-	IEC 227/3	450/750V	HFFR
5	H07Z1-K	-	TS HD 21.15	-	IEC 227/3	450/750V	HFFR
5	H05Z1Z1-F	-	TS HD 21.14	-	IEC 227/3	300/300V	HFFR
5	NHMH	-	-	0250	-	300/500V	HFFR
5	NHXMH	-	-	0250	-	300/300V	XLPE
5	N2XH	-	TS HD 604S1	0276	IEC 60502-1	0,6/1 kV	XLPE
5	N2XH FE 180	-	TS HD 604S1	0276	IEC 60502-1	0,6/1 kV	XLPE
5	NHXXHFE 180	-	TS HD 604S1	0266	-	0,6/1 kV	XL-HFFR
6	YXC7V	N2XCY	TS IEC 60502-2	-	IEC 60502-1	3.6/6 kV	XLPE
6	YXC7V	N2XSY	TS IEC 60502-2	-	IEC 60502-2	6/10 kV	XLPE
6	YXC7V	N2XSY	TS IEC 60502-2	-	IEC 60502-2	8.7/15 kV	XLPE
6	YXC7V	N2XSY	TS IEC 60502-2	-	IEC 60502-2	12/20 kV	XLPE
6	YXC7V	N2XSY	TS IEC 60502-2	-	IEC 60502-2	18/30 kV	XLPE
6	YXC7V	N2XSY	-	-	IEC 60502-2	20.3/35 kV	XLPE
6	YXC8VZ3V	N2XSEYFGbY	TS IEC 60502-2	-	IEC 60502-2	6/10 kV	XLPE
6	YXC8VZ3V	N2XSEYFGbY	TS IEC 60502-2	-	IEC 60502-2	8.7/15 kV	XLPE
6	YXC8VZ3V	N2XSEYFGbY	TS IEC 60502-2	-	IEC 60502-2	12/20 kV	XLPE
6	YXC8VZ3V	N2XSEYFGbY	TS IEC 60502-2	-	IEC 60502-2	18/30 kV	XLPE

EXPLANATIONS OF SYMBOLS USED IN HD 361.S3

Harmonized type	H
National Type	A

Nominal Voltage	
100/100 V	01
300/300 V	03
300/500 V	05
450/750 V	07

Insulation	
Polyvinilchloride	V
90 °C ambient temperature resistant Polyvinilchloride	V2
Low ambient temperature resistant Polyvinilchloride	V3
Cross-Linked Polyvinilchloride	V4
Oil Resistant Polyvinilchloride	V5
Polyethylene based, No corrosive gas creating while burning	Z
Low smoke Density, Cross-Linked Compound	
Polyethylene based, No corrosive gas creating while burning	Z1
Low smoke Density, Thermoplastic Compound	

Metallic Screen	
Concentric Copper Wire	C
Copper Wire Braiding	C4

Structural Features	
Divisible Flat Cables	H

Undivisible Flat Cables	H2
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Three or More Than Cores Flat Cables	H6
Conductor Structure	
Solid Class 1	U
Stranded Class 2	R
Fine Stranded flexible for fixed Installations Class 5	K
Fine Stranded flexible for movable Installations Class 5	F
High twistable flexible Class 6	H

No of Cores	
Without Green/Yellow Core	X
With Green/Yellow Core	G

8 mm ELECTROLYTIC COPPER ROD PRODUCTION AND TECHNICAL INFORMATION

Electrolytic copper rod is producing as continuously casting by SCR 2000 SOUTHWIRE casting line. Electrolytic Copper Cathodes is to be melting in the vertical furnace by under atmosphere oxygen controlled.

Melted copper comes to the Holding Furnace from the Vertical Furnace to transported by upper launders. And after goes to the Casting machine by lower launders. Copper casts as Bare to be used Full Automatic Metal Pouring System (AMPS) To be produced Bare has temperature approx. 900-950 °C and pass to the Mill section by controlled PLC and Computer synchronisation controlled systems. 8 mm Copper rod is to be cleaned with alcohol and covered with wax material. Then Copper rod laying as coil on the Pallets in 3-4 tons weight.

Copper rod coils are to be ready to delivery after completed Plastic wrapped and Shrunked.

To tested sample cut from each coils in equipped with modern test equipments laboratuary. All Tests are making according to Standarts and Technical specifications. Evaluate all test results and keep all test results take into consideration standards and Quality System TS-EN ISO 9001.

SCR 2000 Electrolytic Copper Rod line production capacity is 12 tons/hour and it is 70.000 tons annually.



PVC Granule Production and Technical information

Soft PVC is used in cable industry..Especially PVC has low temperature stability can easily remove the metallic surface when it is heated.PVC is widely used in cable industry because of its resistant for heavy weather condition,easy prossesing and better electrical properties.Some additional materials should be added in PVC production. Generally, below formulas uses in cable proses.

PVC FORMULATION

- 1- PVC Vinyl chloride
- 2- Plastiphians
- 3- Stabilizator
- 4- Lubricant
- 5- Filling compound
- 6- Strenght modifier
- 7- Pigments

Flame retardant and sun shine resist material can also be used with above materials.Different type PVC granules can be produced by the changing the rate of the above materials in the granule according to the requirements of application field for final product.PVC granules are mainly used as 4 different types in the cable proses.

- 1- Insulation
- 2- Filler
- 3- Outer Sheath
- 4- PVC Outer Sheath for flexible cables

With modern automation technology , ÖZNUR KABLO has ; 2 tons/hour PVC Granule production. This capacity will be reach 6 tons/hour to be activated new granule line



HALOGEN FREE ,FLAME RETARDANT AND FIRE RESISTING CABLES TEST METHODS

The characteristics of halogen free cables regarding their behaviour in fire can be tested according to IEC 332-1-2-3 well as tested in 3 different test methods. These are classified as Test A, Test B ,Test C

TEST A (Single cable) IEC 332-2

Test sample of 600 mm cable length shall be in a position vertically hanging. A propan gas burner shall be at a angle 45 degrees to the axis and the flame of approx. 100 mm below the lower edge of the sample. Flame influence depending max. 20 s. The test is passed if the sample not burned or the flame not extinguished by itself and the damage by fire does not reach the remotest upper side of sample

TEST B (Single cable) IEC 332-1

Test sample of 600 mm cable length shall be in a position vertically hanging. A propan gas burner shall be at a angle 45 degrees to the axis and the flame of approx. 100 mm below the lower edge of the sample. Flame influence time has shown below table.. The test is passed if the sample not burned or the flame not extinguished by itself and the damage by fire does not reach the remotest upper side of sample.

Cable Dia.(mm)	Flame influence time (sn)
D<25	60
25<D<50	120
50<D<75	240
D>75	480

TEST C (Bunched Cable) IEC 332-3

Test sample of 360 mm cable length are laying paralel side by side attached to a test ladder which is hanging vertically with a distance of 150 mm to the furnace. The sample should be flame length of 60 cm on the test sample approx.. temperature 800 °C y a burner width of approx. 250 mm. The test duration is 20 minutes. The test is passed if the sample not burned or the flame not extinguished by itself and the damage by fire does not reach the remotest upper side of sample.

• NON HALOGEN VERIFICATION ACCORDING TO IEC 60754-1-2

- The proof of halogen on the materials of the cable insulation and the cable sheath can be verified by the chemical analysis. Materials with a content of less than %0,5 chlorine and and bromine and less than %0,1 fluorine ,If does not exceed PH value 4,3 and electrical conductivity 10 microS/mm as regarded as halogenfree.

• SMOKE DENSITY ACCORDING TO IEC 61034-1-2

The test of smoke density is effected to a single cable laid in horizontal position within a room 3 meter cube. The photometrically measured absorption of light is a measuring unit in % of light transmit for the smoke density. The test is regarded as passed when light absorption appears within 40 minutes and the following values shall be obtained for light transmission.

Cable Dia.(mm)	Light Transmission (%)
>5-10	50
>10-20	60
>20-40	60
>40	70

• TEST FOR ELECTRIC CABLES UNDER FIRE CONDITIONS AND CIRCUIT INTEGRITY IEC 60331-11

This test proof behaviour of the cable insulation in fire conditions. To tested cables according this standarts if it has passed are called FE 180 type.

Test sample of 1.2 meter cable length with outer sheath are laying parallel to a test device and the flame of approx. 75 mm. Below the lower edge of the sample. 3A fuse connect to each conductor and to tested nominal voltage and at least 750 °C under test conditions. The test is passed if the fuses has not blown in 180 minutes.

- **FUNCTIONALITY ACCORDING TO DIN VDE 4102 Part 12**

The functionality is said to be achieved during the test is electrical cable system under fire when there is no occurrence of short circuit or an interruption of the current flow.

According to this Standard , the security cables are always to be tested together with the corresponding supporting devices,clamps,holder and mounting accessories.

Test voltage for power cables 380 V, Current load 3A

The functionality base on the test period is classified here as below.Raise of temperature in a combustion chamber

E30 for the functionality are equal or greater than 30 min. For E30 to approx. 820 °C

E60 for the functionality are equal or greater than 60 min. For E60 to approx. 870 °C

E90 for the functionality are equal or greater than 90 min. For E90 to approx. 980 °C

After passing the functionality test,this will be certified with the class identification as E30, E60 , E90

XLPE CABLE TECHNOLOGY

XLPE with superior technical characteristic, is the important test insulation materials of modern kablo industry. XLPE obtain by reaction pure polietilen and peroxide under definite temperature and pressure. In this process called as Cross-linking, used technic is very important in production of middle and high voltage cables.

In the cable factory of ÖZNUR CABLE, these kind of cables are produce with the import insulation and semi-conductor raw materials usage, at the line of continuous vulcanization inner semiconductor insulated, at the same time out half conductor phases are sprayed by the special type extruder head and untouched in the reaction.

SUPERIOR CHARACTERISTIC OF XLPE

- Material have high thermic endurance and longlife
- XLPE have endurance for against temperature change as physical and electrical.
- XLPE protect flexibility in very low temperature (-40 °C).
- Dielectric loss of XLPE is very few and economic for middle and high voltage in long trasmittal line.
- XLPE have endurance against chemistry and XLPE is without halogen.
- XLPE haven't water absorbent characteristic.
- XLPE have tensile strenght over 15N/mm² and elongation of break over %400 because of high mechanical endurance.
- XLPE is unique alternative in point of use safety and flooring in inclined ground because of positive result of cross-linking.

XLPE, PVC Comparison Table		
Insulation Material	XLPE	PVC
Max. Operating temperature	90	70
Max. Short circuit Temperature	250	160
Dielectric loss factor tan delta (20 °C)	< 0.0004	< 0.10
Dielectric coefficient (20 °C 50 Hz)	2.3	4.5-8
Partial discharge PC	< 5	< 40
Density gr/cm ³	0.92	1.4
Volume Resistivity ohm*cm	1x10 ¹⁵	1x10 ¹⁴
Thermic Resistance K.m/W	3.5	6

- Continual current carrying capacity of XLPE Cable and short circuit endurance is high and longlife.
- XLPE cable is lighter. Diameter of cable is smaller because of density is less and insulation resistance is high.

SHORT CIRCUIT CURRENT INTENSITY

Nominal Short circuit current's intensity for 1 sec.											
Cable Type	Max operating temperature	Max short circuit temperature	Conductor Temperature of in starting of short circuit °C								
	°C	°C	90	80	70	65	60	50	40	30	20
With copper conductor XLPE insulated	90	250	143	149	154	157	159	165	170	176	181
With aluminium conductor XLPE insulated	90	250	94	98	102	104	105	109	113	116	120
With copper conductor With PVC insulated <300 mm ² >300 mm ²	70	160	-	-	115	119	122	129	136	143	150
	70	140	-	-	103	107	111	118	126	133	140
With aluminium conductor PVC insulated <300 mm ² >300 mm ²	70	160	-	-	76	78	81	85	90	95	99
	70	140	-	-	68	71	73	78	83	88	93

Short circuit current for various tripping times, I_{th}

$$I_{th} = \frac{I_{thN}}{\sqrt{T_k}}$$

I_{thN} = Short circuit current for 1 sec.

T_k = Tripping time, sec.

I_{thN} = Cross-section of conductor(mm²) * short circuit current f density for 1 sec. (A/mm²)*10⁻³ kA.

BENDING RADIUS

MİN. PERMISSIBLE BENDING RADIUS DURING LAYING OF CABLES

Multi-core Cables :

- To 0.6/1 kv : 12 D
- Over 0.6/1 kv : 15 D

All single-core Cables:15D

(D: Cable diameter)

Take into consideration cables should not be twisted during laying.

MİN. PERMISSIBLE AMBIENT TEMPERATURE DURING LAYING OF CABLES : +3 °C

Alternative casing materials can be recommended that convenient for laying and operating under +3 °C Preheating is recommended for low temperatures.

MAX. PERMISSIBLE PULLING FORCE DURING LAYING OF CABLES IN CONDITION OF PULLING FROM CONDUCTORS

- For cables with copper conductor :50 N/mm² (5 kg/mm²)
- For cables with aluminium conductor :30 N/mm² (3 kg/mm²)

In condition that cables are laid by pulling the total strenght of cable weight,pulling speed and friction strenght will not exceed permissible max. Pulling strenght..Pulling strenght should be continuously checked and recommended not to exceed above values.

Soil Thermal Resistivity (*)		
Soil Thermal Resistivity K.m/W	Ground Conditions	Air Conditions
0.7	Very humid	Continuous Humid
1	Humid	Continuous Rainy
2	Dry	Rare Rainy
3	Very Dry	Low rainy or drought

CURRENT CARRYING

For control cables which are installed underground or on air. (In cross-section 1,5 and 10 mm²) Current convert factors according to number of the core that under load.

Number of the core that under load	Ground	Air
5	0,70	0,75
7	0,60	0,65
10	0,50	0,55
14	0,45	0,50
19	0,40	0,45
24	0,35	0,40
40	0,30	0,35
61	0,25	0,30

Current carrying capacity(A) at 30 °C of cables H07V-U(R), H05VV-F , NYM

VDE 0100			
Rated cross-section mm ²	Group 1	Group 2	Group 3
0,75	-	12	15
1	11	15	19
1,5	15	18	24
2,5	20	26	32
4	25	34	42
6	33	44	54
10	45	61	73
16	61	82	98
25	83	108	129
35	103	135	158
50	132	168	198
70	165	207	245
95	197	250	292
120	235	292	334
150	-	335	391
185	-	382	448
240	-	453	528

Group 1 One or more single-core cables in conduit as H07V-U®,H07V-K

Group 2 Multi-cores outer sheathed Cables as H05VV-F,NYM

Group 3 Single-core Cables laid outside at least one cable diameter distance as H07V-U(R),H07V-K

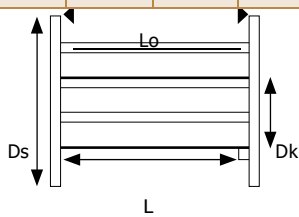
GROUP FACTOR

Correction Factors for grouping of underground cables.
Single-core Cables (In System with three phase)

Cable Type	Laying form  cables side by side, distance of cables and systems : 7 cm					
	Load Factor		0,7			
	Soil Thermal Resisitivity		0,7	1,0	1,5	2,5
XLPE Insulated cables 0,6/1 kV - 20,3/35 kV	Number of System	1	0,99	1,00	1,01	1,03
		2	0,86	0,87	0,88	0,88
		3	0,77	0,77	0,78	0,79
		4	0,73	0,73	0,74	0,74
		5	0,69	0,70	0,70	0,71
		6	0,67	0,68	0,68	0,69
		8	0,64	0,65	0,65	0,65
		10	0,62	0,63	0,63	0,63
PVC Insulated cables 0,6/1 kV - 6/10 kV	Number of System	1	0,98	1,00	1,01	1,02
		2	0,86	0,87	0,88	0,89
		3	0,77	0,78	0,79	0,79
		4	0,73	0,74	0,74	0,75
		5	0,70	0,70	0,71	0,71
		6	0,68	0,68	0,69	0,69
		8	0,65	0,65	0,65	0,66
		10	0,63	0,63	0,63	0,64

REEL CAPACITIES

Capacity Of The Cable Drums															
Ds	50	30	70	80	90	100	120	140	160	180	200	220	240	260	280
Dk	26	30	35	40	45	50	60	70	80	100	120	140	150	160	180
Lo	31	31	40	40	55	55	70	70	90	90	90	115	115	115	140
L									86	86	84	108	107	107	131
Reel flange Diameter -Ds- (cm)															
mm	50	60	70	80	90	100	120	140	160	180	200	220	240	260	280
6	710	1050													
7	520	760	1500												
8	400	580	1130												
9	320	450	900	1230											
10	260	370	720	1000	1800										
11	210	310	600	820	1500										
12	180	260	500	700	1250										
13	150	220	430	600	1050										
14	130	200	370	500	920	1150									
15	110	170	320	440	800	1030									
16	100	150	280	400	710	900	1650								
17		130	250	350	640	800	1500								
18		120	220	310	560	710	1300								
19		100	200	270	500	640	1180								
20			180	250	450	580	1050								
21			170	230	410	530	960	1350							
22			150	200	380	480	870	1250							
23			130	190	340	440	790	1130							
24			120	170	320	410	730	1040	1700						
25			110	160	290	380	680	950	1650						
26				150	270	340	620	870	1520						
27				130	250	320	530	800	1400						
28				120	230	300	520	730	1300						
29				110	220	280	500	700	1230						
30					200	260	460	630	1100						
31					180	240	440	600	1050						
32					170	230	410	570	980	1150					
33					160	230	380	520	930	1080	1130				
34					150	200	350	500	880	1020	1120				
35					140	190	340	470	810	960	1100	1500			
36					130	180	320	450	780	900	1050	1450			
37					120	170	300	430	730	830	990	1420			
38						160	280	400	700	810	930	1350			
39						150	270	380	670	780	880	1290	1600		
40						140	260	360	640	720	820	1200	1500		
41							250	340	600	700	800	1150	1450		
42							230	320	570	660	750	1100	1370		
43							220	310	550	640	730	1050	1330		
44							210	300	510	610	700	1000	1260		
45							200	280	480	570	660	940	1200		
46								270	470	550	640	900	1130		
47								250	450	530	610	860	1100	1350	
48								240	430	510	580	820	1050	1250	
49								220	410	490	560	790	1000	1220	
50								210	400	470	540	760	970	1170	
51								200	380	450	510	730	930	1130	
52								190	360	430	490	700	900	1080	
53									350	410	410	680	860	1030	
54									340	400	450	650	840	1000	1350
55										380	440	630	800	960	1300
56										370	430	600	780	930	1250
57										350	410	580	760	900	1200
58										340	390	560	730	860	1150
59										330	380	540	700	830	1120
60										320	360	520	670	800	1080
61										300	350	500	650	770	1020
62										290	340	480	630	750	1000
63										280	330	470	610	720	960
64										270	320	460	580	700	940
65										260	300	450	560	680	900
66										250	290	430	540	660	870
67										240	280	410	520	630	840
68										230	270	400	510	610	800
69										220	260	390	490	580	780
70										210	250	380	480	560	750
71										200	240	360	460	540	730
72											230	350	450	530	710
73											220	340	430	510	680
74											210	330	420	500	670
75											200	320	410	480	640
76											190	310	390	470	630
77											180	300	370	450	600
78												290	360	440	590
79												270	350	420	560
80												240	340	410	550



VOLTAGE DROP

Max. Load carrying distance of 0,6/1 kv PVC insulated and PVC sheathed cables for specific voltage drop

Cos fi: 0,9		Section (mm ²)															
Power kW	Current load A	1,5	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240	300
2,5	4,2	178	291	466	695	1162											
		103	168	271	404	675	1063										
3	5	150	244	391	584	976	1536										
		87	142	227	339	567	892	1391									
3,5	5,9	127	207	331	495	827	1302										
		73	120	192	227	480	756	1180									
4	6,7	111	182	292	435	728	1146										
		65	106	169	253	423	666	1038									
4,5	7,5	100	163	261	389	650	1024										
		58	94	51	226	378	595	927	1266								
5	8,4	89	145	233	347	581	914	1425									
		51	84	135	202	337	531	828	1130								
6	10,1	74	121	193	289	483	706	1185									
		43	70	112	168	200	442	689	940	1247							
7	11,8	63	103	165	247	413	651	1015									
		36	60	96	143	240	378	590	805	1067							
8	13,5	55	90	145	216	361	569	887	1210								
		32	52	84	125	210	330	515	703	932	1301						
9	15,2	49	80	128	192	321	505	787	1075								
		28	46	74	111	186	293	457	625	828	1155						
10	16,8	44	72	116	173	290	457	712	972	1290							
		25	42	67	101	168	265	414	565	750	1045						
12	20	37	61	97	146	244	384	598	817	1083							
		21	35	56	84	141	223	347	474	630	878	1166					
14	23	12	53	85	127	212	334	520	710	942	1315						
		18	30	49	73	123	194	302	413	547	764	1014					
16	27		45	75	108	180	284	443	605	802	1120						
			26	42	62	105	165	257	351	466	650	863	1053				
18	30		40	65	97	162	256	399	544	722	1007						
			23	37	56	94	148	281	316	419	585	777	948	1119			
20	33		37	59	88	147	232	362	495	656	916	1216					
			21	34	51	88	135	210	287	381	532	706	862	1017			
22	37			52	78	111	207	323	441	585	817	1085					
				30	45	76	120	288	256	340	475	630	769	907	1072		
25	42			46	69	116	182	285	389	516	719	955	1165				
				27	40	67	106	165	226	299	418	555	677	799	944	1156	
30	50				58	97	153	239	326	433	605	802	979	1155			
					33	56	89	139	189	251	351	466	569	671	793	971	1124
35	59					82	130	202	277	367	512	680	830	979	1157		
						48	75	117	161	213	297	395	482	569	672	823	952
40	67					72	114	178	243	323	451	599	730	862	1018		
						42	66	103	141	187	262	348	425	501	592	725	838
45	76						101	157	215	285	397	528	644	760	898	1100	
							58	91	124	165	231	306	374	442	522	639	739
50	84						91	142	194	258	359	477	582	688	812	995	1151
							53	82	113	149	209	277	338	400	472	578	669
55	93						82	128	175	233	325	431	526	621	734	898	1040
							48	74	102	135	188	250	305	361	426	522	604
60	101							118	161	214	299	397	484	572	675	827	957
								68	94	124	173	230	281	332	392	481	556
70	118							101	30	183	256	340	414	487	578	708	819
								58	80	106	148	197	241	284	336	411	476
75	126							95	129	172	239	318	388	458	541	663	767
								55	75	99	139	185	225	266	314	385	446
80	135								121	160	223	297	362	427	505	619	716
									70	93	130	172	210	248	293	360	416
90	152								107	142	198	272	322	380	449	549	636
									62	82	115	164	187	220	261	319	369
100	169									128	178	233	289	341	403	495	572
										74	103	137	168	198	234	287	332
110	185									117	163	218	264	312	369	451	522
										68	94	126	153	181	214	262	303
130	219										138	183	223	263	311	381	441
											80	113	129	153	181	221	256
133	224										134	106	128	152	181	221	256
											78	106	128	152	181	221	256
150	253											104	137	168	200	241	282
												158	112	132	156	192	222
160	270											92	181	213	252	309	358
												148	105	124	146	179	208
180	303											86	161	190	225	275	319
													93	110	130	160	185
200	337													171	202	248	286
														99	117	144	166
205	346													166	197	241	279
														97	114	140	162
230	386														175	215	249
															102	125	145
270	456															183	212
																106	123
280	472																205
																	119
290	490																197
																	114
300	506																191
																	111
305	515																187
																	109

*Underground installation (at 20 °C) Calculations for max. AC. Resistance at the max. Operation temperature

EXPLANATIONS

Current carrying capacity of cables in Tables gave according to the below conditions.
(Currents, for cable type HO7V-U(R),H07V-K,H05VV-F VDE 0298, IEC 287)

- In air: 30 °C ambient temperature, load factor :1.0
(Suppose that cables be protected from direct sun light.)

-In conduit: 30 °C ambient temperature, load factor :1.0

-In Ground:20°C ambient tempertaure, ground thermal resisitivity 1 K.m/w, load factor: 0.7, depth of laying : 70 cm.

Location form of single-core cables:



: 3 single-core cable, flooring in triangle bunch form.



: 3 single-core cable, flooring side by side.

Distance of between cables ;

In air: 1* Cable diameter

In Ground: 7 cm

- Metal sheath and screen groundings are from both end.

-Current carrying capacities of control cables are given in condittion that all the cores are under load

If laying conditions of all the cables are different than above given conditions ,current carrying capacity should be multiply with factors given in the table.

CONVERTION FACTORS FOR CURRENT CARRYING CAPACITIES (VDE 0298)

If laying of cables are different then normal conditions current carrying capacities should be multiplied below given factors.

Factors for different ambient temperatures for underground cable installation :

Cable Type	Soil thermal resistivity	0,7		1		1,5		2,5
	Load Factor	0,7	1,0	0,7	1,0	0,7	1,0	0,7-1,0
XLPE insulated cables 0,6/1 kV - 20,3/35 kV	10	1,16	1,05	1,05	0,98	0,95	0,91	0,86
	15	1,14	1,03	1,02	0,95	0,92	0,89	0,84
	20	1,12	1,00	1,00	0,93	0,90	0,86	0,81
	25			0,98	0,90	0,87	0,84	0,78
	30			0,95	0,88	0,84	0,81	0,75
	35					0,82	0,78	0,72
	40							0,68
PVC insulated cables 0,6/1 kV - 3,6/6 kV	10	1,19	1,06	1,06	0,97	0,94	0,89	0,83
	15	1,17	1,03	1,03	0,94	0,91	0,86	0,79
	20	1,14	1,01	1,00	0,91	0,87	0,83	0,76
	25			0,97	0,88	0,84	0,79	0,72
	30			0,94	0,85	0,80	0,76	0,68
	35					0,77	0,72	0,63
	40							0,59

INSTALLATION IN AIR

Current conversion factors of different ambient temperatures for installation in air :

Ambient temperature										
Insulation Type	°C	10	15	20	25	30	35	40	45	50
	XLPE	1,15	1,12	1,08	1,04	1,0	0,96	0,91	0,87	0,82
	PVC	1,22	1,17	1,12	1,07	1,0	0,94	0,87	0,79	0,71

Current conversion factors depending on combination of installation cables in air.
Single-core Cables (In three phase system)

Location form of cables		 Space:Diameter of cable d Distance from wall ≥ 2 cm			 Space:Diameter of cable d Distance from wall ≥ 2 cm		
Number of side by side system		1	2	3	1	2	3
Laying on ground		0,92	0,89	0,88	0,95	0,90	0,88
Laying on the cable troughs impeded air circulation	Number of shelf	Distance between the shelves >20 cm olmalıdır					
	1	0,92	0,89	0,88	0,95	0,89	0,88
	2	0,87	0,84	0,83	0,90	0,84	0,83
	3	0,84	0,82	0,81	0,88	0,82	0,81
	6	0,82	0,80	0,79	0,86	0,80	0,79
Laying on the cable troughs unimpeded air circulation	Number of shelf	Distance between the shelves >20 cm olmalıdır					
	1	1,0	0,97	0,96	1,00	0,98	0,96
	2	0,97	0,94	0,93	1,00	0,95	0,93
	3	0,96	0,93	0,92	1,00	0,94	0,92
	6	0,94	0,91	0,90	1,00	0,93	0,90

Current convert factors depending on laying depth:

Depth laying (m)	Factor
0,50	1,03
0,70	1,00
1,00	0,96
1,20	0,93
1,50	0,91
2,00	0,88
2,50	0,86

RATED VOLTAGE

Max. System voltages of the Cables *(System with three phase)

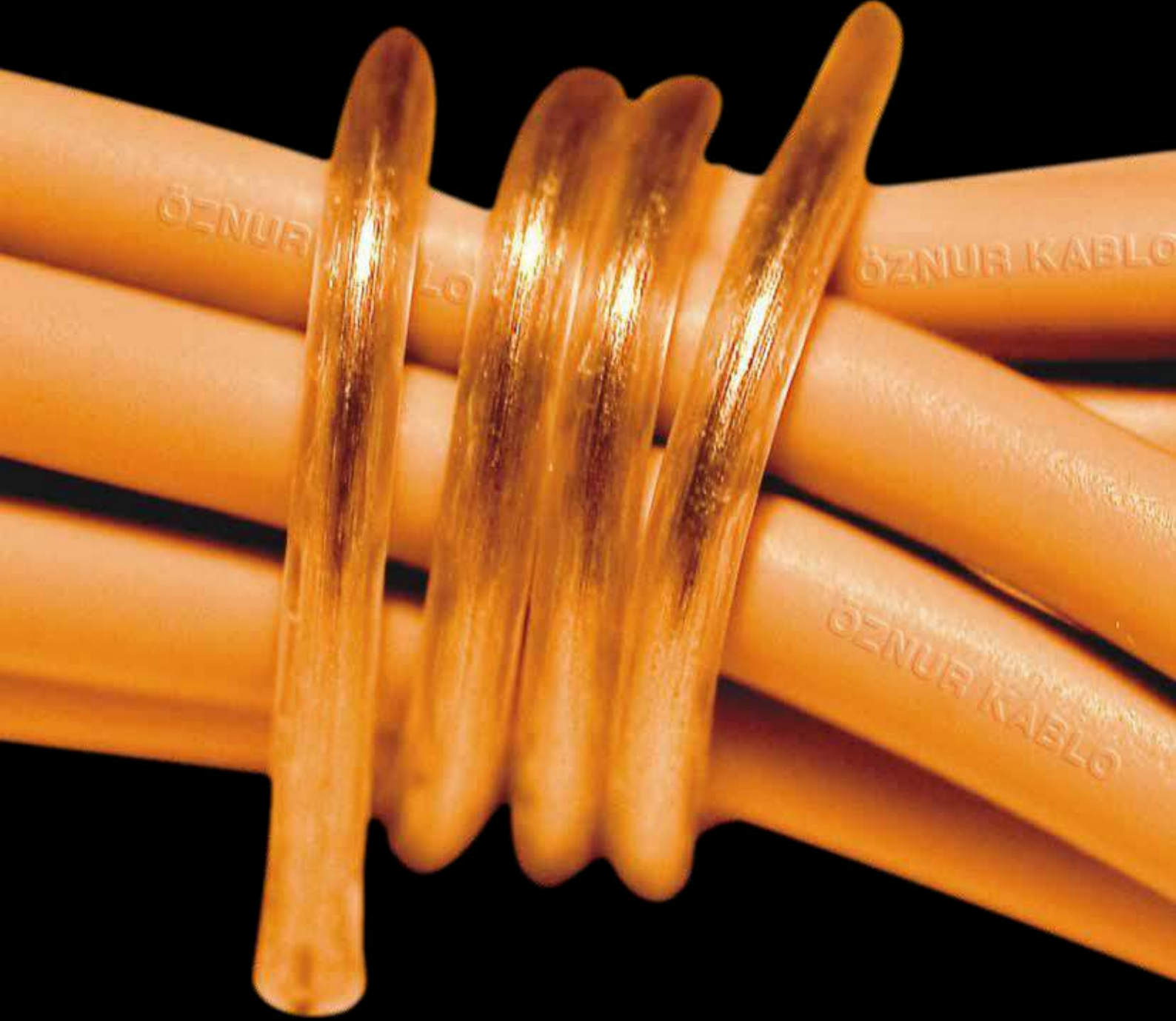
Rated Voltage	Max. Operating Voltage
(U ₀ /U) kV	kV
0,6/1	1,2
3,6/6	7,2
6/10	12
8,7/15	17,5
12/20	24
18/30	36
20,3/35	42

Max. Operating voltages are max. Value of the voltage at the normal conditions in any time or at any point of the system (Temporary regimes which are caused by switch off and switch on are out of this decscription) VDE 0298 Teil 1 , IEC 183

AC test voltages: IEC 60502-1 , IEC 60502-2

Rated Voltage	AC test voltage
kV	kV
0,6/1	3,5
3,6/6	12,5
6/10	21
8,7/15	30,5
12/20	42
18/30	63
20,3/35	71

Notes:

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