

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)
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, 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 (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Standard Delivery Length (m)	Standard Delivery Reel Size (cm)	Conductor DC (Max.) Resistance at 20 °C (ohm/km)	Inductance per conductor (Appr.) (mH/km)		Operating Capacity (Appr.) at 20 °C (µF/km)	Current Carrying Capacity In (Appr.)					
						●●●	●●		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