

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