

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 $12 * D$ 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