

## 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)**

<b>Code</b>	YXC7VY2V-R (TSE), N2XSYR(AL)Y (VDE), Cu/XLPE/SC/PVC/AWA/PVC (BS)
<b>Standarts</b>	TS IEC 60502-2, VDE 0276
<b>Construction</b>	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
<b>Application</b>	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builds
<b>Technical Datas</b>	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 <sup>2</sup> )	(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