

## 18/30 kV

### XLPE INSULATED SINGLE CORE MEDIUM VOLTAGE POWER CABLES



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

<b>Code</b>	YXC7V-R (TSE), N2XSY(VDE), 2XSY(IEC), Cu/XLPE/SC/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 outer sheath
<b>Application</b>	Where there is mechanical heavy duties, underground, cable ducts, power distribution cabinets, city network, industrial builts
<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	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