

20.3/35 kV

XLPE INSULATED SINGLE- CORE LONGITUDINALLY WATER -TIGHT POWER CABLE



N2XS(FL)2Y (VDE) Cu/XLPE/CWS/LW/PE(IEC)

Code	N2XS(FL)2Y (VDE), Cu/XLPE/CWS/LW/PE (IEC)
Standarts	TSE IEC 60502-2, TSE K 204, VDE 0276
Construction	Copper conductor, inner semiconductive layer, XLPE insulation, Outer semiconductive layer, semiconductive swelling tape, copper wires screen, copper tape, swelling tape, Aluminium tape, PE outer sheath.
Application	Cables with very low dielectric losses are used with sudden load changes Networks and short-circuit currents in large residential and industrial areas, cable troughs, under the earth and the air. If the water enters the cables with mechanical effects, swelling tape acting as a holder prevents movement of the water.
Technical Datas	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 length	Standart delivery reel size	Conductor DC resistance at 20 °C	Per conductor inductance (approx.)		Operating capacitance (approx.) at 20 °C	Current carrying capacity (approx.)			
(mm ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
						●●●	●●		●●●	●●	●●●	●●
1x35/16 rm	37,0	1300	1000	180	0,524	0,77	0,51	0,11	200	190	238	198
1x50/16 rm	38,0	1400	1000	200	0,387	0,7	0,49	0,12	240	225	286	238
1x70/16 rm	39,0	1700	1000	220	0,268	0,71	0,46	0,13	300	275	356	296
1x95/16 rm	41,0	2000	1000	220	0,193	0,69	0,44	0,15	360	330	434	361
1x120/16 rm	42,0	2250	1000	220	0,153	0,66	0,42	0,16	420	375	500	417
1x150/25 rm	44,0	2700	1000	220	0,124	0,64	0,41	0,17	475	420	559	473
1x185/25 rm	46,0	3050	1000	220	0,0991	0,63	0,39	0,18	542	470	637	543
1x240/25 rm	48,0	3700	1000	240	0,0754	0,60	0,38	0,20	590	550	745	641
1x300/25 rm	51,0	4400	1000	260	0,0601	0,59	0,37	0,21	620	586	846	735
1x400/35 rm	54,0	5400	500	220	0,0470	0,57	0,35	0,23	670	660	938	845
1x500/35 rm	57,0	6400	500	220	0,0366	0,55	0,34	0,26	770	760	1040	950
1x630/35 rm	61,0	8150	500	220	0,0283	0,52	0,33	0,29	850	850	1120	1040

rm:Stranded conductor