

12/20 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	TS IEC 60502-2, 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	28,0	925	1000	140	0,524	0,75	0,44	0,16	200	190	238	198
1x50/16 rm	29,0	1050	1000	160	0,387	0,73	0,43	0,17	240	225	286	238
1x70/16 rm	31,0	1300	1000	160	0,268	0,70	0,40	0,19	300	275	356	296
1x95/16 rm	33,0	1600	1000	160	0,193	0,67	0,38	0,22	360	330	434	361
1x120/16 rm	35,0	1850	1000	160	0,153	0,65	0,37	0,24	420	375	500	417
1x150/25 rm	36,0	2300	1000	160	0,124	0,63	0,35	0,26	475	420	559	473
1x185/25 rm	38,0	2600	1000	180	0,0991	0,61	0,34	0,28	542	470	637	543
1x240/25 rm	41,0	3200	1000	200	0,0754	0,59	0,33	0,30	590	550	745	641
1x300/25 rm	43,0	3950	1000	220	0,0601	0,57	0,32	0,33	620	586	846	735
1x400/35 rm	46,0	4900	1000	220	0,0470	0,55	0,31	0,37	670	660	938	845
1x500/35 rm	50,0	5850	500	180	0,0366	0,53	0,30	0,41	770	760	1040	950
1x630/35 rm	53,0	7500	500	220	0,0283	0,51	0,29	0,45	850	840	1120	1040

rm:Stranded conductor