

18/30 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 use 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 enter 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 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 ²)	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(mikrofarad/km)	Ground (A) at 20 °C		Air (A) at 30 °C	
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1x35/16 rm	33,0	1200	1000	140	0,524	0,77	0,49	0,12	200	190	238	198
1x50/16 rm	34,0	1300	1000	160	0,387	0,75	0,47	0,14	240	225	286	238
1x70/16 rm	36,0	1600	1000	160	0,268	0,71	0,44	0,15	300	275	356	296
1x95/16 rm	38,0	1850	1000	160	0,193	0,69	0,42	0,17	360	330	434	361
1x120/16 rm	39,0	2150	1000	160	0,153	0,66	0,41	0,18	420	375	500	417
1x150/25 rm	41,0	2600	1000	160	0,124	0,64	0,4	0,19	475	420	559	473
1x185/25 rm	43,0	2900	1000	180	0,0991	0,63	0,39	0,21	542	470	637	543
1x240/25 rm	45,0	3550	1000	200	0,0754	0,60	0,37	0,23	590	550	745	641
1x300/25 rm	48,0	4250	1000	220	0,0601	0,59	0,36	0,25	620	586	846	735
1x400/35 rm	53,0	5300	1000	220	0,0470	0,57	0,35	0,28	670	660	938	845
1x500/35 rm	56,0	6300	500	180	0,0366	0,55	0,34	0,30	770	760	1040	950
1x630/35 rm	60,0	8000	500	220	0,0283	0,52	0,33	0,33	850	840	1120	1040

rm:Stranded conductor