

Power cable

N2XS(F)2Y 10kV

Medium-voltage cable, XLPE insulated, copper conductor, longitudinal water blocked screen, PE outersheath

6/10 kV



According to VDE 0276 part 620.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Conductor category	Class 2 = stranded	
Shape of conductor	Round	
Number of cores	1	
Core identification according to HD 308 S2		
Core identification	None	
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	No	
Inner semi-conducting layer	Yes	
Outer semi-conducting layer	Yes	

Characteristics	Properties	Unit
Screen	Yes	
Concentric conductor	None	
Armouring	No	
Material outer sheath	Polyolefin	
Specification material outer sheath	Polyethylene (PE)	
Colour outer sheath	Black	
Cable geometry		
Conductive coating	No	
Longitudinal water blocking conductors	No	
Longitudinal water blocking screen	Yes	
Reaction-to-fire according to EN 13501-6: Class	Fca	
Halogen free (acc. EN 60754-1/2)	Yes	
Flame retardant	No	
Low smoke (acc. EN 61034-2)	No	
Max. conductor temperature	90	°C
Permitted cable outer temperature during assembling/handling	-20 <=> 70	°C
Permitted cable outer temperature after assembling without vibration	-40 <=> 70	°C
Nominal voltage U0	6	kV
Nominal voltage U	10	kV
Suitable as installation cable		
Certified for shipboard application		
Suitable as medium-voltage cable		
Suitable as high-voltage cable		
Certified as airport lighting cable		
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	
Minimum bending radius	15	x Außen-Ø

Characteristics	Properties	Unit
Nominal cross section concentric conductor	25	mm ²

Product				Packaging		
Nominal cross section conductor (in mm ²)	Min. permitted bending radius, stationary application/permanent installation (in mm)	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Net weight (in kg)
35	375	25	762.08	Ring, Drum	Cut length	762
50	390	26	889.57	Ring, Drum	Cut length	890
70	420	28	1,105.6	Ring, Drum	Cut length	1,106
95	450	29	1,359.05	Ring, Drum	Cut length	1,359
120	465	31	1,602.3	Ring, Drum	Cut length	1,602
150	495	32	1,958.7	Ring, Drum	Cut length	1,959
185	510	33	2,296.3	Ring, Drum	Cut length	2,287
240	555	36	2,844.73	Ring, Drum	Cut length	2,837
300		38	3,407.8	Ring, Drum	Cut length	3,408
400	630	41	4,288.9	Ring, Drum	Cut length	4,289
500	675	45	5,316.8	Ring, Drum	Cut length	5,317