

Power cable

Medium-voltage cable, XLPE insulated, aluminum conductor, polyethylene outersheath

NA2XS2Y (3x) 20kV

12/20 kV



According to VDE 0276 part 620.

Characteristics	Properties	Unit
Conductor material	Aluminium	
Conductor surface	Bare	
Shape of conductor	Round	
Number of cores	3	
Core identification	None	
Laminated sheath	No	
Fibre optic elements	No	
Inner semi-conducting layer	Yes	
Outer semi-conducting layer	Yes	
Armouring	No	
Material outer sheath	Polyolefin	
Specification material outer sheath	Polyethylene (PE)	

Characteristics	Properties	Unit
Colour outer sheath	Black	
Conductive coating	No	
Longitudinal water blocking screen	No	
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)	Yes	
Max. conductor temperature	90	°C
Permitted cable outer temperature during assembling/handling	-20 <=> 70	°C
Nominal voltage U ₀	12	kV
Nominal voltage U	20	kV
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	
Minimum bending radius	15	x Außen-Ø
Nominal cross section concentric conductor	25	mm ²
Core identification according to HD 308 S2		
Cable geometry		
Suitable as installation cable		
Certified for shipboard application		
Suitable as medium-voltage cable		
Suitable as high-voltage cable		
Certified as airport lighting cable		

Product									Packaging		
Nominal cross section conductor (in mm ²)	Concentric conductor	Conductor category	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent installation (in mm)	Outer diameter approx. (in mm)	Protective conductor	Screen	Weight (in EU571166)	Packing	Individual length (in m)	Net weight (in kg)
120		Class 2 = stranded	No		74			3,253.8	Ring, Drum	Cut length	3,254
150		Class 2 = stranded	No	1,170	76			3,810.1	Ring, Drum	Cut length	3,810
150	None	Class 1 = solid	Yes		74	No	Yes	3,728	Ring, Drum	Cut length	3,747
185		Class 2 = stranded	No		80			4,266	Ring, Drum	Cut length	4,266
240		Class 2 = stranded	No		85			4,896.3	Ring, Drum	Cut length	4,902
400		Class 2 = stranded	No	1,470	98			6,808.7	Ring, Drum	Cut length	6,809