Waskönig + Walter

Power cable

NA2XS2Y (3x) 20kV

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

12/20 kV



According to VDE 0276 part 620.

Characteristics	Properties	Unit
Conductor material	Aluminium	
Conductor surface	Bare	
Conductor category	Class 2 = stranded	
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	

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Characteristics	Properties	Unit
Specification material outer sheath	Polyethylene (PE)	
Colour outer sheath	Black	
Conductive coating	No	
Longitudinal water blocking conductors	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 U0	12	kV
Nominal voltage U	20	kV
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	
Minimum bending radius	15	x Außen-Ø
Core identification according to HD 308 S2		
Protective conductor		
Screen		
Concentric conductor		
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		

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Product			Packaging		
Nominal cross section conductor (in mm²)	Outer diameter approx. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Net weight (in kg)
120	74	3,253.8	Ring, Drum	Cut length	3,257
185	80	4,266	Ring, Drum	Cut length	4,269
240	85	4,896.3	Ring, Drum	Cut length	4,900

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