

Power cable

NA2XS2Y (3x) 10kV

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

6/10 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 according to HD 308 S2	No	
Core identification	None	
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	No	
Inner semi-conducting layer	Yes	
Outer semi-conducting layer	Yes	
Screen	Yes	

Characteristics	Properties	Unit
Concentric conductor	None	
Armouring	No	
Material outer sheath	Polyolefin	
Specification material outer sheath	Polyethylene (PE)	
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)	No	
Max. conductor temperature	90	°C
Permitted cable outer temperature during assembling/handling	-20 <=> 70	°C
Nominal voltage U ₀	6	kV
Nominal voltage U	10	kV
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	
Minimum bending radius	15	x Außen-Ø

Product						Packaging		
Nominal cross section conductor (in mm ²)	Conductor category	Longitudinal water blocking conductors	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)
150	Class 2 = stranded	No	1,035	67	3,250.8	Ring, Drum	Cut length	3,251
150	Class 1 = solid	Yes	1,005	65	3,184.9	Ring, Drum	Cut length	3,202
185	Class 2 = stranded	No	1,095	71	3,669.8	Ring, Drum	Cut length	3,673

Product						Packaging		
Nominal cross section conductor (in mm²)	Conductor category	Longitudinal water blocking conductors	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)
240	Class 2 = stranded	No	1,155	76	4,261	Ring, Drum	Cut length	4,261
240	Class 1 = solid	Yes	1,125	74	4,152.3	Ring, Drum	Cut length	4,172