

Power cable

N2XS2Y (3x) 20kV

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

12/20 kV



according 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	3	
Core identification	None	
Laminated sheath	No	
Fibre optic elements	No	
Inner semi-conducting layer	Yes	
Outer semi-conducting layer	Yes	
Armouring	No	

Characteristics	Properties	Unit
Material outer sheath	Polyolefin	
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)	No	
Flame retardant	In accordance with IEC/EN 60332-1-2	
Low smoke (acc. EN 61034-2)	No	
Min. permitted bending radius, stationary application/permanent installation	975	mm
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

Nominal cross section conductor	Outer diameter approx.	Weight	Individual length	Net weight	Packing
50 mm ²	64 mm	3,142.3	Cut length	3,142 kg	Ring, Drum
300 mm ²	92 mm	11,028	Cut length	11,028 kg	Ring, Drum