

Power cable

Power cable, XLPE insulated, copper conductor, halogen free

N1XZ1

0.6/1 kV



based upon VDE0276-604.. For fixed installation indoors, in air and in concrete. These cables are also suitable for outdoor use, provided they are protected from direct sunlight. Laying in the ground or in water is not permitted.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Shape of conductor	Round	
Core identification according to HD 308 S2	Yes	
Core identification	Colour	
Laminated sheath	No	
Fibre optic elements	No	
Inner semi-conducting layer	No	
Outer semi-conducting layer	No	
Screen	No	
Concentric conductor	None	
Armouring	No	
Material outer sheath	Polyolefin	
Specification material outer sheath	Polyethylene (PE)	

Characteristics	Properties	Unit
Colour outer sheath	Grey	
Conductive coating	No	
Longitudinal water blocking screen	No	
Reaction-to-fire according to EN 13501-6: Class	Eca	
Halogen free (acc. EN 60754-1/2)	Yes	
Flame retardant	In accordance with IEC/EN 60332-1-2	
Low smoke (acc. EN 61034-2)	Yes	
Max. conductor temperature	90	°C
Permitted cable outer temperature during assembling/handling	-5 <=> 70	°C
Permitted cable outer temperature after assembling without vibration	-40 <=> 70	°C
Nominal voltage U0	0.6	kV
Nominal voltage U	1	kV
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	
Minimum bending radius	8	x Außen-Ø

Product								Packaging						
Number of cores (in Stck)	Nominal cross section conductor (in mm²)	Conductor category	Kerndurchmesser	Longitudinal water blocking conductors	Outer diameter approx. (in mm)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
1	2.5	Class 1 = solid		Yes	5	Yes	38.22	Ring	50		443.22		11,000	2
1	2.5	Class 1 = solid	200	Yes	5	Yes	38.22	Ring	100	285	519.66	61	13,000	4
1	6	Class 1 = solid		Yes	6	Yes	78.41	Ring, Drum	Cut length					78
1	6	Class 1 = solid	200	Yes	6	Yes	78.41	Ring	100	350	493.26	53	6,000	8

Product								Packaging						
Number of cores (in Stck)	Nominal cross section conductor (in mm²)	Conductor category	Kerndurchmesser	Longitudinal water blocking conductors	Outer diameter approx. (in mm)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
1	10	Class 2 = stranded		No	8	Yes	136.11	Ring, Drum	Cut length					136
1	16	Class 2 = stranded		No	9	Yes	194.52	Ring, Drum	Cut length					195
1	16	Class 2 = stranded			9	Yes	194.52	Ring, Drum	Cut length					195
2	1.5	Class 1 = solid		Yes	7	No	63.38	Ring, Drum	Cut length					63
2	1.5	Class 1 = solid	200		7	No	63.38	Ring	100	370	479.14	54	7,200	6
2	1.5	Class 1 = solid	500		7	No	63.77	Drum	5000	1,000	389.85	710	5,000	319
2	1.5	Class 1 = solid	500		7	No	63.38	Drum	5000	1,000	387.9	710	5,000	317
8	1.5	Class 1 = solid			11	Yes	188.64	Ring, Drum	Cut length					189
12	1.5	Class 1 = solid			13	Yes	269.58	Ring, Drum	Cut length					270
12	1.5	Class 1 = solid			13	Yes	270.2	Ring, Drum	Cut length					270
12	1.5	Class 1 = solid	200		13	Yes	270.2	Ring	100	430	509.16	144	1,800	27