



Datasheet

Power cable

Power cable, XLPE insulated, copper conductor, improved behavior in case of fire

YMvK-ss Dca

0.6/1 kV



Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Conductor category	Class 5 = flexible	
Shape of conductor	Round	
Core identification	Colour	
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	Yes	
Inner semi-conducting layer	No	
Outer semi-conducting layer	No	
Screen	No	

Datasheet

Characteristics	Properties	Unit
Concentric conductor	None	
Armouring	No	
Material outer sheath	Polyvinyl chloride (PVC)	
Specification material outer sheath	Other	
Colour outer sheath	Grey	
Conductive coating	No	
Longitudinal water blocking conductors	No	
Longitudinal water blocking screen	No	
Reaction-to-fire according to EN 13501-6: Class	Dca	
Reaction-to-fire according to EN 13501-6: Smoke production	s2	
Reaction-to-fire according to EN 13501-6: Flaming droplets/particles	d2	
Reaction-to-fire according to EN 13501-6: Acidity	a3	
Halogen free (acc. EN 60754-1/2)	No	
Flame retardant	In accordance with IEC/EN 60332-3-24	
Low smoke (acc. EN 61034-2)	No	
Max. conductor temperature	90	°C
Permitted cable outer temperature during assembling/handling	5 => 70	°C
Permitted cable outer temperature after assembling without vibration	-30 => 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	12	x Außen-Ø
Paletteinheit	500	m

Datasheet

Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Kerndurchmesser	Metal number	Min. permitted bending radius, stationary application/permanent installation	Nominal cross section conductor	Number of cores	Outer diameter approx.	Weight	Individual length	Net weight	Packing
				Copper 384		10 mm ²	4	18 mm	603.47	Cut length	603 kg	Ring, Drum
				Copper 615		16 mm ²	4	20 mm	846.61	Cut length	847 kg	Ring, Drum
				Copper 960		25 mm ²	4	25 mm	1,341	Cut length	1,341 kg	Ring, Drum
				Copper 1344	336 mm	35 mm ²	4	28 mm	1,855	Cut length	1,855 kg	Ring, Drum
				Copper 1920	384 mm	50 mm ²	4	32 mm	2,526.5	Cut length	2,527 kg	Ring, Drum
				Copper 2688	456 mm	70 mm ²	4	38 mm	3,312.2	Cut length	3,312 kg	Ring, Drum
				Copper 3648	504 mm	95 mm ²	4	42 mm	4,458	Cut length	4,458 kg	Ring, Drum
				Copper 4608	576 mm	120 mm ²	4	48 mm	5,639.1	Cut length	5,639 kg	Ring, Drum
				Copper 5760		150 mm ²	4	53 mm	6,925.5	Cut length	6,926 kg	Ring, Drum
				Copper 7104		185 mm ²	4	57 mm	8,602.1	Cut length	8,602 kg	Ring, Drum
				Copper 9216		240 mm ²	4	68 mm	11,443	Cut length	11,443 kg	Ring, Drum
				Copper 480		10 mm ²	5	19 mm	724.67	Cut length	725 kg	Ring, Drum
900 mm	410.34 kg	695 mm	450 mm	Copper 480		10 mm ²	5	19 mm	724.67	500 m	362 kg	Drum
				Copper 768	264 mm	16 mm ²	5	22 mm	1,024.9	Cut length	1,025 kg	Ring, Drum
1,000 mm	580.45 kg	705 mm	500 mm	Copper 768	264 mm	16 mm ²	5	22 mm	1,024.9	500 m	512 kg	Drum

Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Kerndurchmesser	Metal number	Min. permitted bending radius, stationary application/permanent installation	Nominalcross section conductor	Number of cores	Outer diameter approx.	Weight	Individual length	Net weight	Packing
				Copper 1200	324 mm	25 mm ²	5	27 mm	1,631.4	Cut length	1,631 kg	Ring, Drum
				Copper 1680	372 mm	35 mm ²	5	31 mm	2,266.1	Cut length	2,266 kg	Ring, Drum
				Copper 2400	420 mm	50 mm ²	5	35 mm	3,119.5	Cut length	3,120 kg	Ring, Drum
				Copper 3360	504 mm	70 mm ²	5	42 mm	4,068.8	Cut length	4,069 kg	Ring, Drum
				Copper 4560	564 mm	95 mm ²	5	47 mm	5,508.1	Cut length	5,508 kg	Ring, Drum
				Copper 5760	636 mm	120 mm ²	5	53 mm	6,956.7	Cut length	6,957 kg	Ring, Drum
				Copper 7200		150 mm ²	5	59 mm	8,609.7	Cut length	8,610 kg	Ring, Drum



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