

Power cable

YMvK Dca

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

0.6/1 kV



according HD 604 4D.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Shape of conductor	Round	
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	Polyvinyl chloride (PVC)	
Specification material outer sheath	Other	

Characteristics	Properties	Unit
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)	
Core identification according to HD 308 S2	Yes	

Bruttogewicht pro Paletteinheit	Conductor category	Metal number	Min. permitted bending radius, stationary application/permanent installation	Minimum bending radius	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Protective conductor	Weight	Individual length	Net weight	Packing
574.51 kg	Class 1 = solid	Copper 29	100 mm	10 x Außen-Ø	1.5 mm ²	2	10 mm	4,200 m	No	131.36	100 m	13 kg	Ring
714.6 kg	Class 1 = solid	Copper 29	100 mm	10 x Außen-Ø	1.5 mm ²	2	10 mm	5,000 m	No	131.36	500 m	66 kg	Drum

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607.94 kg	Class 1 = solid	Copper 48	110 mm	10 x Außen-Ø	2.5 mm ²	2	11 mm	3,600 m	No	162.54	100 m	16 kg	Ring
365.48 kg	Class 1 = solid	Copper 48	110 mm	10 x Außen-Ø	2.5 mm ²	2	11 mm	2,000 m	No	162.54	500 m	81 kg	Drum
	Class 1 = solid	Copper 77		12 x Außen-Ø	4 mm ²	2	12 mm		No	206.94	Cut length	207 kg	Ring, Drum
	Class 1 = solid	Copper 115		15 x Außen-Ø	6 mm ²	2	13 mm		No	261.54	Cut length	262 kg	Ring, Drum
	Class 2 = stranded	Copper 192		12 x Außen-Ø	10 mm ²	2	15 mm		No	385.74	Cut length	386 kg	Ring, Drum
	Class 2 = stranded	Copper 307		12 x Außen-Ø	16 mm ²	2	17 mm		No	540.16	Cut length	540 kg	Ring, Drum
	Class 1 = solid	Copper 43	100 mm	10 x Außen-Ø	1.5 mm ²	3	10 mm		Yes	148.2	Cut length	148 kg	Ring, Drum
645.24 kg	Class 1 = solid	Copper 43	100 mm	10 x Außen-Ø	1.5 mm ²	3	10 mm	4,200 m	Yes	148.2	100 m	15 kg	Ring
798.8 kg	Class 1 = solid	Copper 43	100 mm	10 x Außen-Ø	1.5 mm ²	3	10 mm	5,000 m	Yes	148.2	500 m	74 kg	Drum
	Class 1 = solid	Copper 72		10 x Außen-Ø	2.5 mm ²	3	11 mm		Yes	187.55	Cut length	188 kg	Ring, Drum
641.72 kg	Class 1 = solid	Copper 72		10 x Außen-Ø	2.5 mm ²	3	11 mm	3,300 m	Yes	187.55	50 m	9 kg	Ring
585.45 kg	Class 1 = solid	Copper 72	110 mm	10 x Außen-Ø	2.5 mm ²	3	11 mm	3,000 m	Yes	187.55	100 m	19 kg	Ring
415.5 kg	Class 1 = solid	Copper 72	110 mm	10 x Außen-Ø	2.5 mm ²	3	11 mm	2,000 m	Yes	187.55	500 m	94 kg	Drum
823.64 kg	Class 1 = solid	Copper 72		10 x Außen-Ø	2.5 mm ²	3	11 mm	4,000 m	Yes	187.55	1000 m	188 kg	Drum
	Class 1 = solid	Copper 116		10 x Außen-Ø	4 mm ²	3	12 mm		Yes	244.33	Cut length	244 kg	Ring, Drum

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755.79 kg	Class 1 = solid	Copper 116		10 x Außen-Ø	4 mm ²	3	12 mm	3,000 m	Yes	244.33	100 m	24 kg	Ring
529.06 kg	Class 1 = solid	Copper 116		10 x Außen-Ø	4 mm ²	3	12 mm	2,000 m	Yes	244.33	500 m	122 kg	Drum
	Class 1 = solid	Copper 173		12 x Außen-Ø	6 mm ²	3	13 mm		Yes	315.1	Cut length	315 kg	Ring, Drum
526.96 kg	Class 1 = solid	Copper 173		12 x Außen-Ø	6 mm ²	3	13 mm	1,600 m	Yes	315.1	100 m	32 kg	Ring
703.64 kg	Class 1 = solid	Copper 173		12 x Außen-Ø	6 mm ²	3	13 mm	2,000 m	Yes	315.1	500 m	158 kg	Drum
	Class 2 = stranded	Copper 288		12 x Außen-Ø	10 mm ²	3	16 mm		Yes	472.66	Cut length	473 kg	Ring, Drum
	Class 2 = stranded	Copper 461		12 x Außen-Ø	16 mm ²	3	18 mm		Yes	675.02	Cut length	675 kg	Ring, Drum
539.7 kg	Class 1 = solid	Copper 58	110 mm	10 x Außen-Ø	1.5 mm ²	4	11 mm	3,000 m	Yes	172.3	100 m	17 kg	Ring
385 kg	Class 1 = solid	Copper 58	110 mm	10 x Außen-Ø	1.5 mm ²	4	11 mm	2,000 m	Yes	172.3	500 m	86 kg	Drum
	Class 1 = solid	Copper 96	120 mm	10 x Außen-Ø	2.5 mm ²	4	12 mm		Yes	221.78	Cut length	222 kg	Ring, Drum
	Class 1 = solid	Copper 96		12 x Außen-Ø	2.5 mm ²	4	12 mm		Yes	221.78	Cut length	222 kg	Ring, Drum
555.07 kg	Class 1 = solid	Copper 96	120 mm	10 x Außen-Ø	2.5 mm ²	4	12 mm	2,400 m	Yes	221.78	100 m	22 kg	Ring
483.96 kg	Class 1 = solid	Copper 96	120 mm	10 x Außen-Ø	2.5 mm ²	4	12 mm	2,000 m	Yes	221.78	500 m	111 kg	Drum
	Class 1 = solid	Copper 154	130 mm	10 x Außen-Ø	4 mm ²	4	13 mm		Yes	293.59	Cut length	294 kg	Ring, Drum
727.42 kg	Class 1 = solid	Copper 154	130 mm	10 x Außen-Ø	4 mm ²	4	13 mm	2,400 m	Yes	293.59	50 m	15 kg	Ring

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609.98 kg	Class 1 = solid	Copper 154	130 mm	10 x Außen-Ø	4 mm ²	4	13 mm	2,000 m	Yes	293.59	100 m	29 kg	Ring
609.94 kg	Class 1 = solid	Copper 154	156 mm	12 x Außen-Ø	4 mm ²	4	13 mm	2,000 m	Yes	293.57	100 m	29 kg	Ring
660.58 kg	Class 1 = solid	Copper 154	156 mm	12 x Außen-Ø	4 mm ²	4	13 mm	2,000 m	Yes	293.57	500 m	147 kg	Drum
660.62 kg	Class 1 = solid	Copper 154	130 mm	10 x Außen-Ø	4 mm ²	4	13 mm	2,000 m	Yes	293.59	500 m	147 kg	Drum
	Class 1 = solid	Copper 230	168 mm	12 x Außen-Ø	6 mm ²	4	14 mm		Yes	383.38	Cut length	383 kg	Ring, Drum
	Class 1 = solid	Copper 230	140 mm	10 x Außen-Ø	6 mm ²	4	14 mm		Yes	383.38	Cut length	383 kg	Ring, Drum
482.86 kg	Class 1 = solid	Copper 230	140 mm	10 x Außen-Ø	6 mm ²	4	14 mm	1,200 m	Yes	383.38	50 m	19 kg	Ring
636.21 kg	Class 1 = solid	Copper 230	140 mm	10 x Außen-Ø	6 mm ²	4	14 mm	1,600 m	Yes	383.38	100 m	38 kg	Ring
840.2 kg	Class 1 = solid	Copper 230		12 x Außen-Ø	6 mm ²	4	14 mm	2,000 m	No	383.38	500 m	192 kg	Drum
	Class 2 = stranded	Copper 384		10 x Außen-Ø	10 mm ²	4	17 mm		Yes	582.03	Cut length	582 kg	Ring, Drum
	Class 2 = stranded	Copper 384		12 x Außen-Ø	10 mm ²	4	17 mm		Yes	583.18	Cut length	583 kg	Ring, Drum
	Class 2 = stranded	Copper 384		10 x Außen-Ø	10 mm ²	4	17 mm		Yes	582.03	Cut length	582 kg	Ring, Drum
	Class 2 = stranded	Copper 614	228 mm	12 x Außen-Ø	16 mm ²	4	19 mm		Yes	840.73	Cut length	841 kg	Ring, Drum
	Class 2 = stranded	Copper 614	190 mm	10 x Außen-Ø	16 mm ²	4	19 mm		Yes	840.73	Cut length	841 kg	Ring, Drum
779.46 kg	Class 2 = stranded	Copper 614	190 mm	10 x Außen-Ø	16 mm ²	4	19 mm	900 m	Yes	840.73	50 m	42 kg	Ring

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621.9 kg	Class 1 = solid	Copper 72	120 mm	10 x Außen-Ø	1.5 mm ²	5	12 mm	3,000 m	Yes	199.7	100 m	20 kg	Ring
439.8 kg	Class 1 = solid	Copper 72	120 mm	10 x Außen-Ø	1.5 mm ²	5	12 mm	2,000 m	Yes	199.7	500 m	100 kg	Drum
	Class 1 = solid	Copper 120	130 mm	10 x Außen-Ø	2.5 mm ²	5	13 mm		Yes	259.52	Cut length	260 kg	Ring, Drum
801.36 kg	Class 1 = solid	Copper 120	130 mm	10 x Außen-Ø	2.5 mm ²	5	13 mm	3,000 m	Yes	259.52	50 m	13 kg	Ring
645.65 kg	Class 1 = solid	Copper 120		10 x Außen-Ø	2.5 mm ²	5	13 mm	2,400 m	Yes	259.52	100 m	26 kg	Ring
559.44 kg	Class 1 = solid	Copper 120		10 x Außen-Ø	2.5 mm ²	5	13 mm	2,000 m	Yes	259.52	500 m	130 kg	Drum
	Class 1 = solid	Copper 192	140 mm	10 x Außen-Ø	4 mm ²	5	14 mm		Yes	347.66	Cut length	348 kg	Ring, Drum
439.99 kg	Class 1 = solid	Copper 192	140 mm	10 x Außen-Ø	4 mm ²	5	14 mm	1,200 m	Yes	347.66	50 m	17 kg	Ring
579.06 kg	Class 1 = solid	Copper 192	140 mm	10 x Außen-Ø	4 mm ²	5	14 mm	1,600 m	Yes	347.66	100 m	35 kg	Ring
768.76 kg	Class 1 = solid	Copper 192	140 mm	10 x Außen-Ø	4 mm ²	5	14 mm	2,000 m	Yes	347.66	500 m	174 kg	Drum
	Class 1 = solid	Copper 288	150 mm	10 x Außen-Ø	6 mm ²	5	15 mm		Yes	456.94	Cut length	457 kg	Ring, Drum
479.74 kg	Class 1 = solid	Copper 288	150 mm	10 x Außen-Ø	6 mm ²	5	15 mm	1,000 m	Yes	456.94	50 m	23 kg	Ring
662.52 kg	Class 1 = solid	Copper 288	150 mm	10 x Außen-Ø	6 mm ²	5	15 mm	1,400 m	Yes	456.94	100 m	46 kg	Ring
987.32 kg	Class 1 = solid	Copper 288	150 mm	10 x Außen-Ø	6 mm ²	5	15 mm	2,000 m	Yes	456.94	500 m	228 kg	Drum
	Class 2 = stranded	Copper 480		10 x Außen-Ø	10 mm ²	5	18 mm		Yes	700.29	Cut length	700 kg	Ring, Drum

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	Class 2 = stranded	Copper 480		10 x Außen-Ø	10 mm ²	5	18 mm		Yes	700.29	Cut length	700 kg	Ring, Drum
398.15 kg	Class 2 = stranded	Copper 480		10 x Außen-Ø	10 mm ²	5	18 mm	500 m	Yes	700.29	500 m	350 kg	Drum
	Class 2 = stranded	Copper 768	210 mm	10 x Außen-Ø	16 mm ²	5	21 mm		Yes	1,020	Cut length	1,020 kg	Ring, Drum
578 kg	Class 2 = stranded	Copper 768	210 mm	10 x Außen-Ø	16 mm ²	5	21 mm	500 m	Yes	1,020	500 m	510 kg	Drum
	Class 1 = solid	Copper 101	130 mm	10 x Außen-Ø	1.5 mm ²	7	13 mm		Yes	237.72	Cut length	238 kg	Ring, Drum
548.88 kg	Class 1 = solid	Copper 101	130 mm	10 x Außen-Ø	1.5 mm ²	7	13 mm	2,000 m	Yes	237.72	500 m	119 kg	Drum
	Class 1 = solid	Copper 168	140 mm	10 x Außen-Ø	2.5 mm ²	7	14 mm		Yes	315.48	Cut length	315 kg	Ring, Drum
704.4 kg	Class 1 = solid	Copper 168	140 mm	10 x Außen-Ø	2.5 mm ²	7	14 mm	2,000 m	Yes	315.48	500 m	158 kg	Drum