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	
Colour outer sheath	Grey	

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Characteristics	Properties	Unit
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)	
Cable geometry		
Suitable as installation cable		
Certified for shipboard application		
Suitable as medium-voltage cable		
Suitable as high-voltage cable		
Certified as airport lighting cable		

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Product										Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core diameter (in mm)	Core identification according to HD 308 S2	Min. permitted bending radius, stationary application/permane installation (in mm)	Minimum bending radius (in x Außen-Ø)	Outer diameter ap prox. (in mm)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit (in kg)	Height (in mm)	Outer diameter (in mm)	pallet unit (in m)	Net weight (in kg)
2	1.5	Class 1 = solid	200		100	10	10	No	131.36	Ring	100	574.51	110	400	4,200	13
2	1.5	Class 1 = solid	150		100	10	10	No	131.36	Drum	500	714.6	419	500	5,000	66
2	2.5	Class 1 = solid	200		110	10	11	No	162.54	Ring	100	607.94	122	390	3,600	16
2	2.5	Class 1 = solid	260		110	10	11	No	162.54	Drum	500	365.48	419	600	2,000	81
2	4	Class 1 = solid				12	12	No	206.94	Ring, Drum	Cut length					207
2	6	Class 1 = solid				15	13	No	261.54	Ring, Drum	Cut length					262
3	1.5	Class 1 = solid			100	10	10	Yes	148.2	Ring, Drum	Cut length					148
3	1.5	Class 1 = solid	200	No	100	10	10	Yes	148.2	Ring	25	356.25	47	330	2,250	4
3	1.5	Class 1 = solid	200		100	10	10	Yes	148.2	Ring	100	645.24	114	390	4,200	15
3	1.5	Class 1 = solid	150		100	10	10	Yes	148.2	Drum	500	798.8	419	500	5,000	74
3	2.5	Class 1 = solid				10	11	Yes	187.55	Ring, Drum	Cut length					188
3	2.5	Class 1 = solid	200			10	11	Yes	187.55	Ring	50	641.72	67	390	3,300	9
3	2.5	Class 1 = solid	200		110	10	11	Yes	187.55	Ring	100	585.45	133	390	3,000	19
3	2.5	Class 1 = solid	260		110	10	11	Yes	187.55	Drum	500	415.5	419	600	2,000	94
3	2.5	Class 1 = solid	315			10	11	Yes	187.55	Drum	1000	823.64	419	752	4,000	188
3	4	Class 1 = solid				10	12	Yes	244.33	Ring, Drum	Cut length					244
3	4	Class 1 = solid	200			10	12	Yes	244.33	Ring	100	755.79	158	390	3,000	24
3	4	Class 1 = solid	260			10	12	Yes	244.33	Drum	500	529.06	419	600	2,000	122
3	6	Class 1 = solid				12	13	Yes	315.1	Ring, Drum	Cut length					315
3	6	Class 1 = solid	200			12	13	Yes	315.1	Ring	100	526.96	145	430	1,600	32
3	6	Class 1 = solid	315			12	13	Yes	315.1	Drum	500	703.64	419	752	2,000	158

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Status: 24.11.2026
Subject to technical alterations

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Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core diameter (in mm)	Core identification according to HD 308 S2	Min. permitted bending radius, stationary application/permanent installation (in mm)	Minimum bending radius (in x Außen-Ø)	Outer diameter approx. (in mm)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit (in kg)	Height (in mm)	Outer diameter (in mm)	pallet unit (in m)	Net weight (in kg)
4	1.5	Class 1 = solid	200		110	10	11	Yes	172.3	Ring	100	537.45	130	390	3,000	17
4	1.5	Class 1 = solid	260		110	10	11	Yes	172.3	Drum	500	383.5	419	600	2,000	86
4	2.5	Class 1 = solid			120	10	12	Yes	221.78	Ring, Drum	Cut length					221
4	2.5	Class 1 = solid				12	12	Yes	221.78	Ring, Drum	Cut length					222
4	2.5	Class 1 = solid	200		120	10	12	Yes	221.78	Ring	100	552.17	150	400	2,400	22
4	2.5	Class 1 = solid	260		120	10	12	Yes	221.78	Drum	500	481.54	419	600	2,000	110
4	4	Class 1 = solid			130	10	13	Yes	293.59	Ring, Drum	Cut length					292
4	4	Class 1 = solid			130	10	13	Yes	293.59	Ring	100	606.48			2,000	29
4	4	Class 1 = solid	200		156	12	13	Yes	293.57	Ring	100	609.94	140	430	2,000	29
4	4	Class 1 = solid	315		156	12	13	Yes	293.57	Drum	500	660.58	419	752	2,000	147
4	4	Class 1 = solid	315		130	10	13	Yes	293.59	Drum	500	657.12	419	752	2,000	146
4	6	Class 1 = solid			168	12	14	Yes	383.38	Ring, Drum	Cut length					383
4	6	Class 1 = solid			140	10	14	Yes	383.38	Ring, Drum	Cut length					383
4	6	Class 1 = solid	300		140	10	14	Yes	383.38	Ring	100	636.21	95	590	1,600	38
4	6	Class 1 = solid	315			12	14	No	383.38	Drum	500	840.2	419	752	2,000	192
4	10	Class 2 = stranded				10	17	Yes	582.03	Ring, Drum	Cut length					582
4	16	Class 2 = stranded			190	10	19	Yes	840.73	Ring, Drum	Cut length					841
5	1.5	Class 1 = solid	200		120	10	12	Yes	199.7	Ring	100	621.9	149	390	3,000	20
5	1.5	Class 1 = solid	260		120	10	12	Yes	199.7	Drum	500	439.8	419	600	2,000	100
5	2.5	Class 1 = solid		Yes	130	10	13	Yes	255.5	Ring, Drum	Cut length					256
5	2.5	Class 1 = solid	400	Yes	130	10	13	Yes	259.52	Ring	50	789.3	83	200	3,000	13

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5	2.5	Class 1 = solid	200			10	13	Yes	259.52	Ring	100	636	137	430	2,400	26
5	2.5	Class 1 = solid	260			10	13	Yes	259.52	Drum	500	551.4	419	600	2,000	128
5	4	Class 1 = solid			140	10	14	Yes	347.66	Ring, Drum	Cut length					342
5	4	Class 1 = solid	200		140	10	14	Yes	347.66	Ring	50	842.83	100	400	2,400	17
5	4	Class 1 = solid	300		140	10	14	Yes	347.66	Ring	100	569.49	93	590	1,600	34
5	4	Class 1 = solid	315	Yes	140	10	14	Yes	347.66	Drum	500	756.8	419	752	2,000	171
5	6	Class 1 = solid			150	10	15	Yes	456.94	Ring	50	472.63			1,000	22
5	6	Class 1 = solid	300		150	10	15	Yes	456.94	Ring	100	652.56	111	590	1,400	45
5	6	Class 1 = solid	315		150	10	15	Yes	456.94	Drum	500	973.1	419	752	2,000	225
5	10	Class 2 = stranded				10	18	Yes	700.29	Ring, Drum	Cut length					700
5	10	Class 2 = stranded				10	18	Yes	700.29	Ring, Drum	Cut length					700
5	10	Class 2 = stranded	315			10	18	Yes	700.29	Drum	100	353.56	419	752	400	70
5	10	Class 2 = stranded	450			10	18	Yes	700.29	Drum	500	398.15	695	900	500	350
5	16	Class 2 = stranded			210	10	21	Yes	1,020	Ring, Drum	Cut length					1,020
5	16	Class 2 = stranded	500		210	10	21	Yes	1,020	Drum	500	578	705	1,000	500	510

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