

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	

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		

Product										Packaging						
Number of cores (in Stck)	Nominal cross section conductor (in mm ²)	Conductor category	Core identification according to HD 308 S2	Kerndurchmesser (in mm)	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)	Außendurchmesser (in mm)	Bruttogewicht pro Paletteinheit (in kg)	Höhe (in mm)	Paletteinheit (in m)	Net weight (in kg)
2	1.5	Class 1 = solid			100	10	10	No	131.36	Ring	100		574.51		4,200	13
2	1.5	Class 1 = solid		150	100	10	10	No	131.36	Drum	500	500	714.6	419	5,000	66
2	2.5	Class 1 = solid		200	110	10	11	No	162.54	Ring	100	390	607.94	122	3,600	16
2	2.5	Class 1 = solid		260	110	10	11	No	162.54	Drum	500	600	365.48	419	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
2	10	Class 2 = stranded				12	15	No	385.74	Ring, Drum	Cut length					386
2	16	Class 2 = stranded				12	17	No	540.16	Ring, Drum	Cut length					540
3	1.5	Class 1 = solid			100	10	10	Yes	148.2	Ring, Drum	Cut length					148
3	1.5	Class 1 = solid	No	200	100	10	10	Yes	148.2	Ring	25	330	356.25	47	2,250	4
3	1.5	Class 1 = solid		200	100	10	10	Yes	148.2	Ring	100	390	645.24	114	4,200	15
3	1.5	Class 1 = solid		150	100	10	10	Yes	148.2	Drum	500	500	798.8	419	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	390	641.72	67	3,300	9
3	2.5	Class 1 = solid		200	110	10	11	Yes	187.55	Ring	100	390	585.45	133	3,000	19
3	2.5	Class 1 = solid		260	110	10	11	Yes	187.55	Drum	500	600	415.5	419	2,000	94
3	2.5	Class 1 = solid		315		10	11	Yes	187.55	Drum	1000	752	823.64	419	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	390	755.79	158	3,000	24
3	4	Class 1 = solid		260		10	12	Yes	244.33	Drum	500	600	529.06	419	2,000	122
3	6	Class 1 = solid				12	13	Yes	315.1	Ring, Drum	Cut length					315

Product										Packaging						
Number of cores (in Stck)	Nominal cross section conductor (in mm ²)	Conductor category	Core identification according to HD 308 S2	Kerndurchmesser (in mm)	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)	Außendurchmesser (in mm)	Bruttogewicht pro Paletteinheit (in kg)	Höhe (in mm)	Paletteinheit (in m)	Net weight (in kg)
3	6	Class 1 = solid		200		12	13	Yes	315.1	Ring	100	430	526.96	145	1,600	32
3	6	Class 1 = solid		315		12	13	Yes	315.1	Drum	500	752	703.64	419	2,000	158
3	10	Class 2 = stranded				12	16	Yes	472.66	Ring, Drum	Cut length					473
3	16	Class 2 = stranded				12	18	Yes	675.02	Ring, Drum	Cut length					675
4	1.5	Class 1 = solid		200	110	10	11	Yes	172.3	Ring	100	390	537.45	130	3,000	17
4	1.5	Class 1 = solid		260	110	10	11	Yes	172.3	Drum	500	600	383.5	419	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			120	10	12	Yes	221.78	Ring	100		552.17		2,400	22
4	2.5	Class 1 = solid		260	120	10	12	Yes	221.78	Drum	500	600	481.54	419	2,000	110
4	4	Class 1 = solid			130	10	13	Yes	293.59	Ring, Drum	Cut length					292
4	4	Class 1 = solid		200	130	10	13	Yes	293.59	Ring	50	390	723.22	92	2,400	15
4	4	Class 1 = solid			130	10	13	Yes	293.59	Ring	100		606.48		2,000	29
4	4	Class 1 = solid			156	12	13	Yes	293.57	Ring	100		609.94		2,000	29
4	4	Class 1 = solid		315	156	12	13	Yes	293.57	Drum	500	752	660.58	419	2,000	147
4	4	Class 1 = solid		315	130	10	13	Yes	293.59	Drum	500	752	657.12	419	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	50	430	482.86	129	1,200	19
4	6	Class 1 = solid		300	140	10	14	Yes	383.38	Ring	100	590	636.21	95	1,600	38
4	6	Class 1 = solid		315		12	14	No	383.38	Drum	500	752	840.2	419	2,000	192

Product										Packaging						
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4	10	Class 2 = stranded				10	17	Yes	582.03	Ring, Drum	Cut length					582
4	10	Class 2 = stranded				12	17	Yes	583.18	Ring, Drum	Cut length					582
4	10	Class 2 = stranded				10	17	Yes	582.03	Ring, Drum	Cut length					582
4	16	Class 2 = stranded			228	12	19	Yes	840.73	Ring, Drum	Cut length					841
4	16	Class 2 = stranded			190	10	19	Yes	840.73	Ring, Drum	Cut length					841
4	16	Class 2 = stranded		300	190	10	19	Yes	840.73	Ring	50	590	779.46	88	900	42
5	1.5	Class 1 = solid		200	120	10	12	Yes	199.7	Ring	100	390	621.9	149	3,000	20
5	1.5	Class 1 = solid		260	120	10	12	Yes	199.7	Drum	500	600	439.8	419	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	Yes	400	130	10	13	Yes	259.52	Ring	50	200	789.3	83	3,000	13
5	2.5	Class 1 = solid		200		10	13	Yes	259.52	Ring	100	430	636	137	2,400	26
5	2.5	Class 1 = solid		260		10	13	Yes	259.52	Drum	500	600	551.4	419	2,000	128
5	4	Class 1 = solid			140	10	14	Yes	347.66	Ring, Drum	Cut length					342
5	4	Class 1 = solid		300	140	10	14	Yes	347.66	Ring	50	430	432.82	126	1,200	17
5	4	Class 1 = solid		300	140	10	14	Yes	347.66	Ring	100	590	569.49	93	1,600	34
5	4	Class 1 = solid	Yes	315	140	10	14	Yes	347.66	Drum	500	752	756.8	419	2,000	171
5	6	Class 1 = solid			150	10	15	Yes	456.94	Ring, Drum	Cut length					450
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	590	652.56	111	1,400	45
5	6	Class 1 = solid		315	150	10	15	Yes	456.94	Drum	500	752	973.1	419	2,000	225
5	10	Class 2 = stranded				10	18	Yes	700.29	Ring, Drum	Cut length					700

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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	752	353.56	419	400	70
5	10	Class 2 = stranded		450		10	18	Yes	700.29	Drum	500	900	398.15	695	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	1,000	578	705	500	510
7	1.5	Class 1 = solid			130	10	13	Yes	237.72	Ring, Drum	Cut length					238
7	1.5	Class 1 = solid		315	130	10	13	Yes	237.72	Drum	500	752	548.88	419	2,000	119
7	2.5	Class 1 = solid			140	10	14	Yes	315.48	Ring, Drum	Cut length					315
7	2.5	Class 1 = solid		315	140	10	14	Yes	315.48	Drum	500	752	704.4	419	2,000	158