

**Power cable**

**VO-YMvKas Dca**

Starkstromkabel, VPE-isoliert mit Cu-Leitern und konz. Leiter aus Stahl- u. Cu-Drähten, mit verb. Verhalten im Brandfall

0.6/1 kV



according HD 604 part 4D.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Conductor category	Class 1 = solid	
Shape of conductor	Round	
Core identification	Colour	
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	No	
Inner semi-conducting layer	No	
Outer semi-conducting layer	No	
Screen	No	
Concentric conductor	Other	
Armouring	Yes	
Material outer sheath	Polyvinyl chloride (PVC)	
Specification material outer sheath	Other	

Characteristics	Properties	Unit
Colour outer sheath	Grey	
Conductive coating	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
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
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	Nominal cross section conductor (in mm <sup>2</sup> )	Core identification according to HD 308 S2	Kerndurchmesser	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent installation (in mm)	Nominal cross section concentric conductor (in mm <sup>2</sup> )	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
2	1.5			Yes	168	1.5	14	250.53	Ring, Drum	Cut length					251
2	1.5			Yes	168	1.5	14	250.53	Ring	100		524.68		2,000	25
2	1.5		315		168	1.5	14	250.53	Drum	500	752	575.32	419	2,000	125
2	2.5				168	2.5	14	284.89	Ring, Drum	Cut length					288
2	2.5					2.5	14	284.89	Ring	10		316.65		1,020	3
2	2.5		300		168	2.5	14	284.89	Ring	25	400	411.72	87	1,350	7
2	2.5		300		168	2.5	14	284.89	Ring	50	430	714.22	128	2,400	14
2	2.5		300			2.5	14	284.89	Ring	50	430	714.22	128	2,400	14
2	2.5		300		168	2.5	14	284.89	Ring	100	590	598.98	94	2,000	29
2	2.5		315		168	2.5	14	284.89	Drum	500	752	649.62	419	2,000	144
2	4					4	16	357.06	Ring, Drum	Cut length					357
2	4					4	16	357.06	Ring	100		522.68		1,400	36
2	4		315			4	16	357.06	Drum	500	752	787.56	419	2,000	179
2	6						17	434.66	Ring	100		544.39		1,200	43
2	6		315				17	434.66	Drum	500	752	942.76	419	2,000	217
3	1.5			Yes	168	1.5	14	264.61	Ring, Drum	Cut length					265
3	1.5			Yes	168	1.5	14	264.61	Ring	100		500.27		1,800	27
3	1.5		315	Yes	168	1.5	14	264.61	Drum	500	752	603.96	419	2,000	133
3	2.5				180	2.5	15	311.68	Ring, Drum	Cut length					315
3	2.5			Yes		2.5	15	319.46	Ring, Drum	Cut length					323
3	2.5					2.5	15	319.46	Ring, Drum	Cut length					323

Product									Packaging						
Number of cores	Nominal cross section conductor (in mm <sup>2</sup> )	Core identification according to HD 308 S2	Kerndurchmesser	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent installation (in mm)	Nominal cross section concentric conductor (in mm <sup>2</sup> )	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
3	2.5		300		180	2.5	15	311.68	Ring	50	430	400.74	137	1,200	16
3	2.5					2.5	15	311.68	Ring	50		400.74		1,200	16
3	2.5		300		180	2.5	15	311.68	Ring	100	590	526.72	101	1,600	32
3	2.5		300			2.5	15	319.46	Ring	100	590	539.23	101	1,600	32
3	2.5		315	Yes	180	2.5	15	311.68	Drum	500	752	703.34	419	2,000	157
3	4					4	17	396.61	Ring, Drum	Cut length					397
3	6					6	17	494.15	Ring, Drum	Cut length					494
3	6			Yes		6	20	522.97	Ring, Drum	Cut length					525
3	6					6	17	494.15	Ring, Drum	Cut length					494
4	1.5			Yes	180	1.5	15	291.66	Ring, Drum	Cut length					292
4	1.5			Yes	180	1.5	15	291.66	Ring	100		489.46		1,600	29
4	1.5		315	Yes	180	1.5	15	291.66	Drum	500	752	656.76	419	2,000	146
4	2.5			Yes	192	2.5	16	362.79	Ring, Drum	Cut length					363
4	2.5		300		192	2.5	16	362.79	Ring	50	430	458.15	152	1,200	18
4	2.5		300		192	2.5	16	362.79	Ring	100	590	530.71	112	1,400	36
4	4					4	17	454.25	Ring, Drum	Cut length					454
4	4					4	17	454.25	Ring	100		567.9		1,200	45
4	4		315			4	17	454.25	Drum	500	752	981.94	419	2,000	227
4	6					6	18	565.09	Ring, Drum	Cut length					565
4	6			Yes		6	18	576.08	Ring, Drum	Cut length					579
4	6					6	22	650.41	Ring, Drum	Cut length					700

Product									Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Core identification according to HD 308 S2	Kerndurchmesser	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent installation (in mm)	Nominal cross section concentric conductor (in mm²)	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
4	6					6	18	565.09	Ring, Drum	Cut length					565
4	6	Yes		Yes		6	21	628.79	Ring, Drum	Cut length					629
4	6					6	18	565.09	Ring	100		587.89		1,000	57
5	1.5				180	1.5	15	323.01	Ring, Drum	Cut length					324
5	1.5				180	1.5	15	323.01	Ring	100		540.99		1,600	32
5	1.5		315		180	1.5	15	323.01	Drum	500	752	721.18	419	2,000	162
5	2.5				192	2.5	16	392	Ring, Drum	Cut length					392
5	2.5		300		192	2.5	16	392	Ring	100	590	571.66	125	1,400	39
5	2.5		450		192	2.5	16	392	Drum	500	900	244.02	695	500	196