

**Power cable**

**VG-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



based upon HD 604 4D.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
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	
Colour outer sheath	Grey	
Conductive coating	No	

Characteristics	Properties	Unit
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	10	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> )	Conductor category	Core identification according to HD 308 S2	Kerndurchmesser	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)	Shape of conductor	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
3	10	Class 2 = stranded			228	10	20	Round	791.38	Ring, Drum	Cut length					804
3	10	Class 1 = solid				10	19	Round	766.8	Ring, Drum	Cut length					779
3	16	Class 2 = stranded			252	16	22	Round	1,059.7	Ring, Drum	Cut length					1,074
3	25	Class 2 = stranded				16	25	Round	1,435.6	Ring, Drum	Cut length					1,475
3	35	Class 2 = stranded				16	25	Sector-shaped	1,599.1	Ring, Drum	Cut length					1,620
3	185	Class 2 = stranded				95	48	Sector-shaped	7,386	Ring, Drum	Cut length					7,398
4	10	Class 2 = stranded			252	10	21	Round	936.4	Ring, Drum	Cut length					940
4	10	Class 2 = stranded	Yes			10	21	Round	936.4	Drum	100		94		100	94
4	10	Class 2 = stranded		500	252	10	21	Round	936.4	Drum	500	1,000	538.02	705	500	470
4	16	Class 2 = stranded	Yes		276	16	23	Round	1,265.2	Ring, Drum	Cut length					1,269
4	16	Class 2 = stranded	Yes			16	25	Round	1,339.9	Ring, Drum	Cut length					1,340
4	16	Class 2 = stranded		630	276	16	23	Round	1,265.2	Drum	500	1,250	714.65	880	500	635
4	25	Class 2 = stranded				16	28	Round	1,774.5	Ring, Drum	Cut length					1,802
4	25	Class 2 = stranded		630		16	27	Round	1,774.5	Drum	500	1,250	981	880	500	901
4	35	Class 2 = stranded				16	28	Sector-shaped	2,074.9	Ring, Drum	Cut length					2,077
4	35	Class 2 = stranded		630		16	28	Sector-shaped	2,074.9	Drum	500	1,250	1,118.65	880	500	1,039
4	50	Class 2 = stranded				25	33	Sector-shaped	2,796.8	Ring, Drum	Cut length					2,801
4	50	Class 2 = stranded				25	33	Sector-shaped	2,796.8	Drum	500		1,400.6		500	1,401
4	70	Class 2 = stranded				35	36	Sector-shaped	3,664.9	Ring, Drum	Cut length					3,669
4	95	Class 2 = stranded				50	40	Sector-shaped	4,830.6	Ring, Drum	Cut length					4,843
4	120	Class 2 = stranded				60	45	Sector-shaped	6,062.9	Ring, Drum	Cut length					6,076

Product										Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core identification according to HD 308 S2	Kerndurchmesser	Min. permitted bending radius, stationary application/permanent installation (in mm)	Nominal cross section concentric conductor (in mm²)	Outer diameter approx. (in mm)	Shape of conductor	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
4	150	Class 2 = stranded	Yes			75	47	Sector-shaped	7,200.8	Ring, Drum	Cut length					7,209
4	185	Class 2 = stranded				95	55	Sector-shaped	9,604.3	Ring, Drum	Cut length					9,621
4	240	Class 2 = stranded				120	60	Sector-shaped	12,090	Ring, Drum	Cut length					12,109