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	
Cable geometry		

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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
Suitable as installation cable		
Certified for shipboard application		
Suitable as medium-voltage cable		
Suitable as high-voltage cable		
Certified as airport lighting cable		
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	
Minimum bending radius	10	x Außen-Ø

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Product										Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core diameter	Core identification according to HD 308 S2	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 kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
3	10	Class 2 = stranded			228	10	20	Round	791.38	Ring, Drum	Cut length					813
3	10	Class 1 = solid				10	19	Round	766.8	Ring, Drum	Cut length					788
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					950
4	10	Class 2 = stranded	450	Yes		10	21	Round	936.4	Drum	100	142.97	695	900	100	95
4	10	Class 2 = stranded	500		252	10	21	Round	936.4	Drum	500	542.85	705	1,000	500	475
4	16	Class 2 = stranded		Yes	276	16	23	Round	1,265.2	Ring, Drum	Cut length					1,280
4	16	Class 2 = stranded		Yes		16	23	Round	1,339.9	Ring, Drum	Cut length					1,276
4	16	Class 2 = stranded	630		276	16	23	Round	1,265.2	Drum	500	720.2	880	1,250	500	640
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	981	880	1,250	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	1,118.65	880	1,250	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
4	150	Class 2 = stranded		Yes		75	47	Sector-shaped	7,200.8	Ring, Drum	Cut length					7,209

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Status: 24.11.2026
Subject to technical alterations

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4	185	Class 2 = stranded				95	55	Sector-shaped	9,604.3	Ring, Drum	Cut length					9,598
4	240	Class 2 = stranded				120	60	Sector-shaped	12,090	Ring, Drum	Cut length					12,129

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