Waskönig + Walter

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	

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)	
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		

Waskönig + Walter Kabel-Werk GmbH u. Co. KG
Ostermoorstraße 77, 26683 Saterland
Phone: +49 4498 88-0 | Fax: +49 4498 88-900
https://www.waskoenig.de

Außendurchmesser	Bruttogewicht pro Paletteinheit	Conductor category	Core identification according to HD 308 S2	Höhe	Kerndurchmesser	Metal number	Min. permitted bending radius, stationary application/permanent installation	Nominal cross section concentric conductor	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Shape of conductor	Weight
		Class 1 = solid				Copper 116	192 mm	4 mm²	4 mm²	2	16 mm		Round	444.13
		Class 2 = stranded				Copper 408	228 mm	10 mm²	10 mm²	3	20 mm		Round	791.38
		Class 1 = solid				Copper 408		10 mm²	10 mm²	3	19 mm		Round	766.8
		Class 2 = stranded				Copper 587	252 mm	16 mm²	16 mm²	3	22 mm		Round	1,059.7
		Class 2 = stranded				Copper 846		16 mm²	25 mm²	3	25 mm		Round	1,435.6
		Class 2 = stranded				Copper 1190		16 mm²	35 mm²	3	25 mm		Sector-shaped	1,599.1
		Class 2 = stranded				Copper 5155		75 mm²	150 mm²	3	43 mm		Sector-shaped	5,969
		Class 2 = stranded				Copper 6383		95 mm²	185 mm²	3	48 mm		Sector-shaped	7,386
		Class 2 = stranded				Copper 504	252 mm	10 mm²	10 mm²	4	21 mm		Round	936.4
	93.64 kg	Class 2 = stranded	Yes			Copper 504		10 mm²	10 mm²	4	21 mm	100 m	Round	936.4
1,000 mm	536.2 kg	Class 2 = stranded		705 mm	500 mm	Copper 504	252 mm	10 mm²	10 mm²	4	21 mm	500 m	Round	936.4

Waskönig + Walter Kabel-Werk GmbH u. Co. KG
Ostermoorstraße 77, 26683 Saterland
Phone: +49 4498 88-0 | Fax: +49 4498 88-900
https://www.waskoenig.de

Außendurchmesser	Bruttogewicht pro Paletteinheit	Conductor category	Core identification according to HD 308 S2	Höhe	Kerndurchmesser	Metal number	Min. permitted bending radius, stationary application/permanent installation	Nominal cross section concentric conductor	Nominal cross section conductor	Number ofcores	Outer diameter approx.	Paletteinheit	Shape of conductor	Weight
		Class 2 = stranded	Yes			Copper 740	276 mm	16 mm²	16 mm²	4	23 mm		Round	1,265.2
		Class 2 = stranded	Yes			Copper 740		16 mm²	16 mm²	4	25 mm		Round	1,339.9
1,250 mm	707.75 kg	Class 2 = stranded		880 mm	630 mm	Copper 740	276 mm	16 mm²	16 mm²	4	23 mm	500 m	Round	1,265.2
		Class 2 = stranded				Copper 1086		16 mm²	25 mm²	4	28 mm		Round	1,774.5
1,250 mm	981 kg	Class 2 = stranded		880 mm	630 mm	Copper 1086		16 mm²	25 mm²	4	27 mm	500 m	Round	1,774.5
		Class 2 = stranded				Copper 1526		16 mm²	35 mm²	4	28 mm		Sector-shaped	2,074.9
1,250 mm	1,118.65 kg	Class 2 = stranded		880 mm	630 mm	Copper 1526		16 mm²	35 mm²	4	28 mm	500 m	Sector-shaped	2,074.9
		Class 2 = stranded				Copper 2203		25 mm²	50 mm²	4	33 mm		Sector-shaped	2,796.8
	1,400.6 kg	Class 2 = stranded				Copper 2203		25 mm²	50 mm²	4	33 mm	500 m	Sector-shaped	2,796.8
		Class 2 = stranded				Copper 3082		35 mm²	70 mm²	4	36 mm		Sector-shaped	3,664.9

Außendurchmesser	Bruttogewicht pro Paletteinheit	Conductor category	Core identification according to HD 308 S2	Höhe	Kerndurchmesser	Metal number	Min. permitted bending radius, stationary application/permanent installation	Nominal cross section concentric conductor	Nominal cross section conductor	Number ofcores	Outer diameter approx.	Paletteinheit	Shape of conductor	Weight
		Class 2 = stranded				Copper 4208		50 mm²	95 mm²	4	40 mm		Sector-shaped	4,830.6
		Class 2 = stranded				Copper 5278		60 mm²	120 mm²	4	45 mm		Sector-shaped	6,062.9
		Class 2 = stranded	Yes			Copper 6595		75 mm²	150 mm²	4	47 mm		Sector-shaped	7,200.8
		Class 2 = stranded				Copper 8159		95 mm²	185 mm²	4	55 mm		Sector-shaped	9,604.3
		Class 2 = stranded				Copper 10546		120 mm²	240 mm²	4	60 mm		Sector-shaped	12,090

Waskönig + Walter Kabel-Werk GmbH u. Co. KG
Ostermoorstraße 77, 26683 Saterland
Phone: +49 4498 88-0 | Fax: +49 4498 88-900
https://www.waskoenig.de