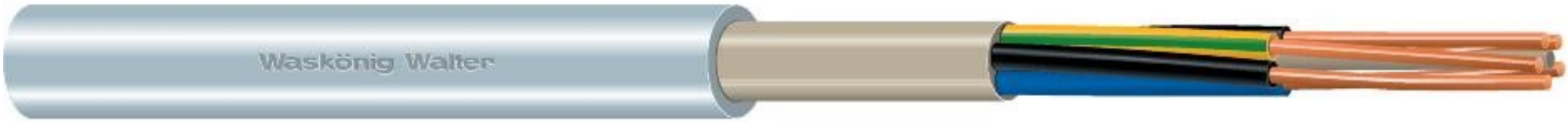
Waskönig + Walter

Power cable

NHXMH Dca

Installation cable, XLPE insulated, halogen free, flame retardant

300/500 V



according VDE 0250 part 214.

Characteristics	Properties	Unit
Conductor material	Copper	
Core insulation material	Polyolefin	
Core identification according to HD 308 S2	Yes	
Core colour		
Protective conductor	Yes	
Max. conductor temperature	90	°C
Screen	No	
Armouring/reinforcement	None	
Material outer sheath	Polyolefin	
Colour outer sheath	Grey	
Reaction-to-fire according to EN 13501-6: Class	Dca	
Reaction-to-fire according to EN 13501-6: Smoke production	s1a	
Reaction-to-fire according to EN 13501-6: Flaming droplets/particles	d2	

Characteristics	Properties	Unit
Reaction-to-fire according to EN 13501-6: Acidity	a1	
Halogen free (acc. EN 60754-1/2)	Yes	
Flame retardant	In accordance with IEC/EN 60332-3-24	
Low smoke (acc. EN 61034-2)	Yes	
Permitted cable outer temperature during assembling/handling	5 => 70	°C
Permitted cable outer temperature after assembling without vibration	-40 => 70	°C
Nominal voltage U0	300	V
Nominal voltage U	500	V
Shape of conductor	Round	
Suitable as installation cable	Yes	
Certified for shipboard application	No	
Suitable as medium-voltage cable	No	
Suitable as high-voltage cable	No	
Certified as airport lighting cable	No	
Minimum bending radius	4	x Außen-Ø
max. short circuit temperature	160	°C

Außendurchmesser	Bruttogewicht pro Paletteinheit	Conductor Diameter	Conductor category	Conductor resistance at 20 °C	Höhe	Kerndurchmesser	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Weight	Individual length	Net weight	Packing
390 mm	774.9 kg	1.5 mm	Class 1 = solid	12.1	80 mm	200 mm	Copper 43	1.5 mm²	3	9 mm	6,000 m	117.72	100 m	13 kg	Ring
390 mm	787.82 kg	2.5 mm	Class 1 = solid	7.41	96 mm	200 mm	Copper 72	2.5 mm²	3	10 mm	4,800 m	151.38	100 m	16 kg	Ring
450 mm	686.72 kg	2.5 mm	Class 1 = solid	7.41	419 mm	150 mm	Copper 72	2.5 mm²	3	10 mm	4,000 m	151.38	500 m	80 kg	Drum
390 mm	867.97 kg	4 mm	Class 1 = solid	4.61	137 mm	200 mm	Copper 115	4 mm²	3	11 mm	3,600 m	225.14	100 m	23 kg	Ring

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Außendurchmesser	Bruttogewicht pro Paletteinheit	Conductor Diameter	Conductor category	Conductor resistance at 20 °C	Höhe	Kerndurchmesser	Metal number	Nominal cross section conductor	Number ofcores	Outer diameter approx.	Paletteinheit	Weight	Individual length	Net weight	Packing
600 mm	509.94 kg	4 mm	Class 1 = solid	4.61	419 mm	260 mm	Copper 115	4 mm²	3	12 mm	2,000 m	225.14	500 m	117 kg	Drum
430 mm	612.72 kg	6 mm	Class 1 = solid	3.08	149 mm	200 mm	Copper 173	6 mm²	3	13 mm	2,000 m	294.42	100 m	30 kg	Ring
600 mm	630.32 kg	6 mm	Class 1 = solid	3.08	419 mm	260 mm	Copper 173	6 mm²	3	13 mm	2,000 m	294.42	500 m	147 kg	Drum
	646.85 kg	10 mm	Class 1 = solid	1.83			Copper 288	10 mm²	3	15 mm	1,400 m	441.23	100 m	45 kg	Ring
		16 mm	Class 2 = stranded	1.15			Copper 461	16 mm²	3	17 mm		655.9	Cut length	657 kg	Ring, Drum
390 mm	792.89 kg	1.5 mm	Class 1 = solid	12.1	92 mm	200 mm	Copper 58	1.5 mm²	4	10 mm	5,400 m	134.79	100 m	14 kg	Ring
410 mm	915.66 kg	1.5 mm	Class 1 = solid	12.1	419 mm	150 mm	Copper 58	1.5 mm²	4	9 mm	6,000 m	134.79	500 m	71 kg	Drum
400 mm	932.11 kg	2.5 mm	Class 1 = solid	7.41	104 mm	200 mm	Copper 96	2.5 mm²	4	11 mm	4,800 m	180.82	100 m	19 kg	Ring
450 mm	1,199.04 kg	2.5 mm	Class 1 = solid	7.41	419 mm	150 mm	Copper 96	2.5 mm²	4	10 mm	6,000 m	180.82	500 m	95 kg	Drum
600 mm	602.64 kg	4 mm	Class 1 = solid	4.61	419 mm	260 mm	Copper 154	4 mm²	4	13 mm	2,000 m	270.7	500 m	141 kg	Drum
752 mm	791.02 kg	6 mm	Class 1 = solid	3.08	419 mm	315 mm	Copper 230	6 mm²	4	14 mm	2,000 m	358.2	500 m	179 kg	Drum
	681.07 kg	10 mm	Class 1 = solid	1.83			Copper 384	10 mm²	4	16 mm	1,200 m	542.92	100 m	55 kg	Ring
		16 mm	Class 2 = stranded	1.15			Copper 614	16 mm²	4	19 mm		813.69	Cut length	815 kg	Ring, Drum

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		25 mm	Class 2 = stranded	0.727			Copper 960	25 mm²	4	23 mm		1,260.1	Cut length	1,261 kg	Ring, Drum
	727.14 kg	1.5 mm	Class 1 = solid	12.1			Copper 72	1.5 mm²	5	10 mm	4,200 m	167.7	100 m	17 kg	Ring
390 mm	713.91 kg	1.5 mm	Class 1 = solid	12.1	106 mm	200 mm	Copper 72	1.5 mm²	5	10 mm	4,200 m	156.13	100 m	16 kg	Ring
450 mm	707.4 kg	1.5 mm	Class 1 = solid	12.1	419 mm	150 mm	Copper 72	1.5 mm²	5	10 mm	4,000 m	156.13	500 m	82 kg	Drum
	818.69 kg	2.5 mm	Class 1 = solid	7.41			Copper 120	2.5 mm²	5	11 mm	3,600 m	211.76	100 m	22 kg	Ring
600 mm	482.56 kg	2.5 mm	Class 1 = solid	7.41	419 mm	260 mm	Copper 120	2.5 mm²	5	11 mm	2,000 m	211.76	500 m	111 kg	Drum
430 mm	682.32 kg	4 mm	Class 1 = solid	4.61	145 mm	200 mm	Copper 192	4 mm²	5	13 mm	2,000 m	318.48	100 m	33 kg	Ring
752 mm	732.96 kg	4 mm	Class 1 = solid	4.61	419 mm	315 mm	Copper 192	4 mm²	5	14 mm	2,000 m	318.48	500 m	165 kg	Drum
580 mm	703.39 kg	6 mm	Class 1 = solid	3.08	103 mm	300 mm	Copper 288	6 mm²	5	15 mm	1,600 m	424.73	100 m	43 kg	Ring
752 mm	924.18 kg	6 mm	Class 1 = solid	3.08	419 mm	315 mm	Copper 288	6 mm²	5	15 mm	2,000 m	424.73	500 m	213 kg	Drum
		10 mm	Class 1 = solid	1.83			Copper 480	10 mm²	5	17 mm		648.61	Cut length	655 kg	Ring, Drum
590 mm	809.28 kg	10 mm	Class 1 = solid	1.83	139 mm	300 mm	Copper 480	10 mm²	5	17 mm	1,200 m	648.61	100 m	66 kg	Ring
		16 mm	Class 2 = stranded	1.15			Copper 768	16 mm²	5	21 mm		997.59	Cut length	999 kg	Ring, Drum

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		25 mm	Class 2 = stranded	0.727			Copper 1200	25 mm²	5	25 mm		1,516.8	Cut length	1,518 kg	Ring, Drum
		35 mm	Class 2 = stranded	0.524			Copper 1680	35 mm²	5	28 mm		2,015.8	Cut length	2,017 kg	Ring, Drum

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