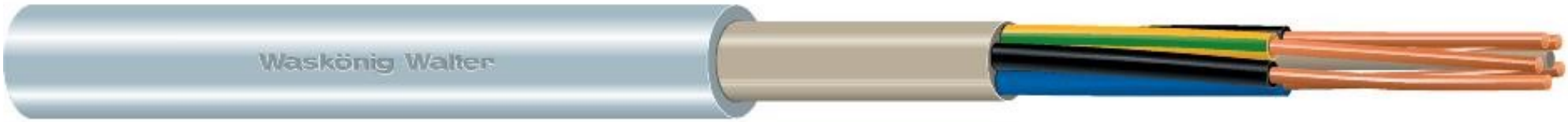
Waskönig + Walter

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)	No	
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

Bruttogewicht pro Paletteinheit	Conductor Diameter	Conductor category	Conductor resistance at 20 °C	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Weight	Individual length	Net weight	Packing
774.9 kg	1.5 mm	Class 1 = solid	12.1	Copper 43	1.5 mm²	3	9 mm	6,000 m	117.72	100 m	13 kg	Ring
787.82 kg	2.5 mm	Class 1 = solid	7.41	Copper 72	2.5 mm²	3	10 mm	4,800 m	151.38	100 m	16 kg	Ring
1,018.68 kg	2.5 mm	Class 1 = solid	7.41	Copper 72	2.5 mm²	3	10 mm	6,000 m	151.38	500 m	80 kg	Drum
867.97 kg	4 mm	Class 1 = solid	4.61	Copper 115	4 mm²	3	11 mm	3,600 m	225.14	100 m	23 kg	Ring

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Bruttogewicht pro Paletteinheit	Conductor Diameter	Conductor category	Conductor resistance at 20 °C	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Weight	Individual length	Net weight	Packing
509.94 kg	4 mm	Class 1 = solid	4.61	Copper 115	4 mm²	3	12 mm	2,000 m	225.14	500 m	117 kg	Drum
612.72 kg	6 mm	Class 1 = solid	3.08	Copper 173	6 mm²	3	13 mm	2,000 m	294.42	100 m	30 kg	Ring
630.32 kg	6 mm	Class 1 = solid	3.08	Copper 173	6 mm²	3	13 mm	2,000 m	294.42	500 m	147 kg	Drum
641.42 kg	10 mm	Class 1 = solid	1.83	Copper 288	10 mm²	3	15 mm	1,400 m	441.23	100 m	44 kg	Ring
	16 mm	Class 2 = stranded	1.15	Copper 461	16 mm²	3	17 mm		655.9	Cut length	657 kg	Ring, Drum
792.89 kg	1.5 mm	Class 1 = solid	12.1	Copper 58	1.5 mm²	4	10 mm	5,400 m	134.79	100 m	14 kg	Ring
915.66 kg	1.5 mm	Class 1 = solid	12.1	Copper 58	1.5 mm²	4	9 mm	6,000 m	134.79	500 m	71 kg	Drum
932.11 kg	2.5 mm	Class 1 = solid	7.41	Copper 96	2.5 mm²	4	11 mm	4,800 m	180.82	100 m	19 kg	Ring
1,159.44 kg	2.5 mm	Class 1 = solid	7.41	Copper 96	2.5 mm²	4	10 mm	6,000 m	180.82	500 m	95 kg	Drum
602.64 kg	4 mm	Class 1 = solid	4.61	Copper 154	4 mm²	4	13 mm	2,000 m	270.7	500 m	141 kg	Drum
791.02 kg	6 mm	Class 1 = solid	3.08	Copper 230	6 mm²	4	14 mm	2,000 m	358.2	500 m	179 kg	Drum
675.16 kg	10 mm	Class 1 = solid	1.83	Copper 384	10 mm²	4	16 mm	1,200 m	542.92	100 m	54 kg	Ring
	16 mm	Class 2 = stranded	1.15	Copper 614	16 mm²	4	19 mm		813.69	Cut length	815 kg	Ring, Drum
	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

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713.91 kg	1.5 mm	Class 1 = solid	12.1	Copper 72	1.5 mm²	5	10 mm	4,200 m	156.13	100 m	16 kg	Ring
1,010.1 kg	1.5 mm	Class 1 = solid	12.1	Copper 72	1.5 mm²	5	10 mm	6,000 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
482.56 kg	2.5 mm	Class 1 = solid	7.41	Copper 120	2.5 mm²	5	11 mm	2,000 m	211.76	500 m	111 kg	Drum
682.32 kg	4 mm	Class 1 = solid	4.61	Copper 192	4 mm²	5	13 mm	2,000 m	318.48	100 m	33 kg	Ring
699.92 kg	4 mm	Class 1 = solid	4.61	Copper 192	4 mm²	5	14 mm	2,000 m	318.48	500 m	165 kg	Drum
703.39 kg	6 mm	Class 1 = solid	3.08	Copper 288	6 mm²	5	15 mm	1,600 m	424.73	100 m	43 kg	Ring
924.18 kg	6 mm	Class 1 = solid	3.08	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	649 kg	Ring, Drum
802.07 kg	10 mm	Class 1 = solid	1.83	Copper 480	10 mm²	5	17 mm	1,200 m	648.61	100 m	65 kg	Ring
	16 mm	Class 2 = stranded	1.15	Copper 768	16 mm²	5	21 mm		997.59	Cut length	999 kg	Ring, Drum
	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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