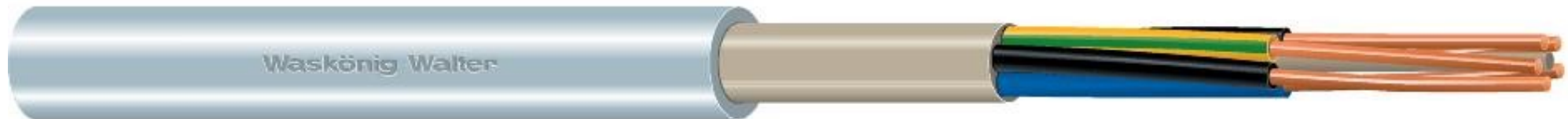


Power cable

Installation cable, XLPE insulated, halogen free, flame retardant

NHXMH Dca

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	
Reaction-to-fire according to EN 13501-6: Acidity	a1	

Characteristics	Properties	Unit
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

Product								Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor Diameter (in mm)	Conductor category	Conductor resistance at 20 °C (in EU571143)	Kerndurchmesser	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit (in kg)	Höhe	Paletteinheit (in m)	Net weight (in kg)
3	1.5	1.5	Class 1 = solid	12.1	200	9	117.72	Ring	100	390	754.32	80	6,000	12
3	1.5	1.5	Class 1 = solid	12.1	150	9	117.72	Drum	500	450	793.92	419	6,000	61
3	2.5	2.5	Class 1 = solid	7.41	200	10	151.38	Ring	100	390	787.82	96	4,800	16
3	2.5	2.5	Class 1 = solid	7.41	150	10	151.38	Drum	500	450	686.72	419	4,000	80

Product								Packaging						
Number of cores	Nominal cross section conductor (in mm ²)	Conductor Diameter (in mm)	Conductor category	Conductor resistance at 20 °C (in EU571143)	Kerndurchmesser	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit (in kg)	Höhe	Paletteinheit (in m)	Net weight (in kg)
3	4	4	Class 1 = solid	4.61	200	11	225.14	Ring	100	390	867.97	137	3,600	23
3	4	4	Class 1 = solid	4.61	260	12	225.14	Drum	500	600	509.94	419	2,000	117
3	6	6	Class 1 = solid	3.08		13	294.42	Ring, Drum	Cut length					295
3	6	6	Class 1 = solid	3.08	200	13	294.42	Ring	100	430	612.72	149	2,000	30
3	10	10	Class 1 = solid	1.83		15	441.23	Ring	100		646.85		1,400	45
3	16	16	Class 2 = stranded	1.15		17	655.9	Ring, Drum	Cut length					657
4	1.5	1.5	Class 1 = solid	12.1	200	10	134.79	Ring	100	390	792.89	92	5,400	14
4	1.5	1.5	Class 1 = solid	12.1	150	9	134.79	Drum	500	410	915.66	419	6,000	71
4	2.5	2.5	Class 1 = solid	7.41	200	11	180.82	Ring	100	400	932.11	104	4,800	19
4	2.5	2.5	Class 1 = solid	7.41	150	10	180.82	Drum	500	450	1,199.04	419	6,000	95
4	4	4	Class 1 = solid	4.61	260	13	270.7	Drum	500	600	602.64	419	2,000	141
4	6	6	Class 1 = solid	3.08	315	14	358.2	Drum	500	752	791.02	419	2,000	179
4	10	10	Class 1 = solid	1.83		16	542.92	Ring	100		681.07		1,200	55
4	16	16	Class 2 = stranded	1.15		19	813.69	Ring, Drum	Cut length					815
4	25	25	Class 2 = stranded	0.727		23	1,260.1	Ring, Drum	Cut length					1,261
5	1.5	1.5	Class 1 = solid	12.1		10	164.55	Ring	100		713.91		4,200	16
5	1.5	1.5	Class 1 = solid	12.1	150	10	164.55	Drum	500	500	709	419	4,000	82
5	2.5	2.5	Class 1 = solid	7.41		11	211.76	Ring	100		818.69		3,600	22
5	2.5	2.5	Class 1 = solid	7.41	260	11	211.76	Drum	500	600	482.56	419	2,000	111
5	4	4	Class 1 = solid	4.61	200	13	318.48	Ring	100	430	682.32	145	2,000	33
5	4	4	Class 1 = solid	4.61	315	14	318.48	Drum	500	752	732.96	419	2,000	165

Product								Packaging						
Number of cores	Nominal cross section conductor (in mm ²)	Conductor Diameter (in mm)	Conductor category	Conductor resistance at 20 °C (in EU571143)	Kerndurchmesser	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit (in kg)	Höhe	Paletteinheit (in m)	Net weight (in kg)
5	6	6	Class 1 = solid	3.08		15	424.73	Ring, Drum	Cut length					425
5	6	6	Class 1 = solid	3.08	300	15	424.73	Ring	100	580	703.39	103	1,600	43
5	10	10	Class 1 = solid	1.83		17	648.61	Ring, Drum	Cut length					655
5	10	10	Class 1 = solid	1.83	300	17	648.61	Ring	100	590	809.28	139	1,200	66
5	16	16	Class 2 = stranded	1.15		21	997.59	Ring, Drum	Cut length					999
5	25	25	Class 2 = stranded	0.727		25	1,516.8	Ring, Drum	Cut length					1,518
5	35	35	Class 2 = stranded	0.524		28	2,015.8	Ring, Drum	Cut length					2,017