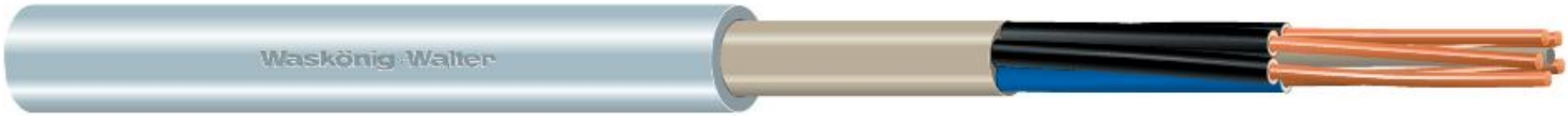
Power cable

NYM-O

Power cable, PVC insulated, copper conductor

300/500 V



According to VDE 0250 part 204.

Characteristics	Properties	Unit
Conductor material	Copper	
Core insulation material	Polyvinyl chloride (PVC)	
Core identification according to HD 308 S2	Yes	
Protective conductor	No	
Max. conductor temperature	70	°C
Screen	No	
Armouring/reinforcement	None	
Material outer sheath	Polyvinyl chloride (PVC)	
Colour outer sheath	Grey	
Reaction-to-fire according to EN 13501-6: Class	Eca	
Halogen free (acc. EN 60754-1/2)	No	
Flame retardant	In accordance with IEC/EN 60332-1-2	
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

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Status: 20.12.2024
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Characteristics	Properties	Unit
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	8	x Außen-Ø
max. short circuit temperature	160	°C
Core colour		

Product							Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Conductor resistance at 20 °C (in Ohm/km)	Kerndurchmesser (in mm)	Outer diameter approx. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser (in mm)	Bruttogewicht pro Paletteinheit (in kg)	Höhe (in mm)	Paletteinheit (in m)	Net weight (in kg)
3	1.5	Class 1 = solid	12.1	200	9	111.1	Ring	50	350	522.75	52	4,500	6
3	1.5	Class 1 = solid	12.1	200	9	111.1	Ring	100	390	689.4	76	6,000	11
3	1.5	Class 1 = solid	12.1	150	9	111.1	Drum	500	410	726.6	419	6,000	56
4	10	Class 1 = solid	1.83	300	17	585.17	Ring	50	470	554.06	128	900	30
4	10	Class 1 = solid	1.83	300	17	585.17	Ring	100	590	731.15	129	1,200	59
4	10	Class 1 = solid	1.83	355	17	585.17	Drum	250	710	172.57	520	250	148
4	10	Class 1 = solid	1.83	450	17	585.17	Drum	500	900	342.15	690	500	295
4	16	Class 2 = stranded	1.15	300	20	904.75	Ring	50	590	746.6	95	800	45

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4	16	Class 2 = stranded	1.15	300	20	904.75	Ring	100	790	656.13	92	700	90
4	16	Class 2 = stranded	1.15	400	20	904.75	Drum	250	800	257.19	520	250	226
4	16	Class 2 = stranded	1.15	500	20	904.75	Drum	500	1,000	523.38	710	500	452
4	25	Class 2 = stranded	0.727	450	24	1,385.1	Drum	250	900	393.28	690	250	346
4	25	Class 2 = stranded	0.727	630	24	1,385.1	Drum	500	1,250	836.55	890	500	693
4	35	Class 2 = stranded	0.524	450	27	1,847	Drum	250	900	508.75	690	250	462
4	35	Class 2 = stranded	0.524	630	27	1,847	Drum	500	1,250	1,067.5	890	500	924
7	1.5	Class 1 = solid	12.1	200	11	196.01	Ring	50	390	728.44	60	3,600	10
7	1.5	Class 1 = solid	12.1	200	11	196.01	Ring	100	390	728.44	120	3,600	20
7	1.5	Class 1 = solid	12.1	150	11	196.01	Drum	500	500	631.83	419	3,000	98

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