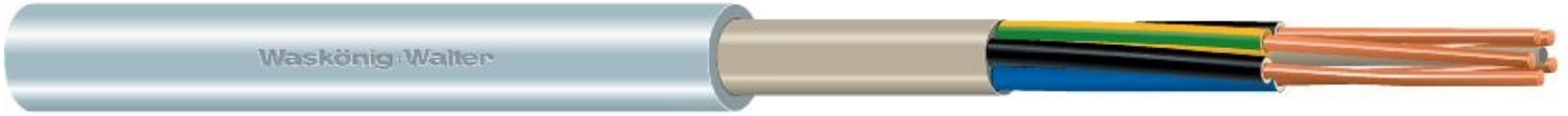
Waskönig + Walter

Power cable

NYM-J

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	Yes	
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: 02.06.2026
Subject to technical alterations

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 Diameter	Conductor category	Conductor resistance at 20 °C (in Ohm/km)	Core diameter (in mm)	Diamètre extérieur (in mm)	Kerndurchmesser (in mm)	Outer diameter (in mm)	Outer diameter approx. (in mm)	Weight (in kg/km)	diámetro exterior (in mm)	Packing	Individual length (in m)	Außendurchmesser (in mm)	Bruttogewicht pro Paletteinheit (in kg)	Höhe (in mm)	Paletteinheit (in m)	Net weight (in kg)
1	4		Class 1 = solid	4.61	200	300	200	300	7	73.03	300	Ring	50	300	373.34	53	4,800	4
1	4		Class 1 = solid	4.61	200	380	200	380	7	73.03	380	Ring	100	380	680.07	53	9,000	7
1	4		Class 1 = solid	4.61	150	410	150	410	7	73.03	410	Drum	500	410	498.18	419	6,000	37
1	6		Class 1 = solid	3.08	200	310	200	310	7	93.83	310	Ring	50	310	416.89	55	4,200	5
1	6		Class 1 = solid	3.08	200	390	200	390	7	93.83	390	Ring	100	390	867.27	57	9,000	9
1	6		Class 1 = solid	3.08	150	410	150	410	7	93.83	410	Drum	500	410	622.98	419	6,000	47
1	10		Class 1 = solid	1.83	200	340	200	340	9	141.36	340	Ring	50	340	706.94	55	4,800	7
1	10		Class 1 = solid	1.83	200	390	200	390	9	141.36	390	Ring	100	390	877.98	74	6,000	14

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Number of cores	Nominal cross section conductor (in mm²)	Conductor Diameter	Conductor category	Conductor resistance at 20 °C (in Ohm/km)	Core diameter (in mm)	Diamètre extérieur (in mm)	Kerndurchmesser (in mm)	Outer diameter (in mm)	Outer diameter approx. (in mm)	Weight (in kg/km)	diámetro exterior (in mm)	Packing	Individual length (in m)	Außendurchmesser (in mm)	Bruttogewicht pro Palette/einheit (in kg)	Höhe (in mm)	Palette/einheit (in m)	Net weight (in kg)
1	10		Class 1 = solid	1.83	150	450	150	450	9	141.36	450	Drum	500	450	917.58	419	6,000	71
1	16		Class 2 = stranded	1.15	200	380	200	380	10	210.27	380	Ring	50	380	716.69	53	3,300	11
1	16		Class 2 = stranded	1.15	200	390	200	390	10	210.27	390	Ring	100	390	1,032.1	99	4,800	21
1	16		Class 2 = stranded	1.15	150	500	150	500	10	210.27	500	Drum	500	500	1,109.15	419	5,000	105
3	1.5		Class 1 = solid	12.1					9	111.08		Ring	50		555.98		4,800	6
3	1.5	1.5	Class 1 = solid	12.1	200	390	200	390	9	111.08	390	Ring	100	390	689.28	76	6,000	11
3	1.5		Class 1 = solid	12.1	150	410	150	410	9	111.08	410	Drum	500	410	726.48	419	6,000	56
3	2.5		Class 1 = solid	7.41	200	390	200	390	10	157.84	390	Ring	50	390	685.73	51	4,200	8
3	2.5		Class 1 = solid	7.41	200	390	200	390	10	157.84	390	Ring	100	390	685.73	101	4,200	16
3	2.5		Class 1 = solid	7.41	150	450	150	450	10	157.84	450	Drum	500	450	680.56	419	4,000	79
3	4		Class 1 = solid	4.61	200	390	200	390	11	224.35	390	Ring	50	390	493.94	67	2,100	11
3	4		Class 1 = solid	4.61	200	390	200	390	11	224.35	390	Ring	100	390	830.46	133	3,600	22
3	4		Class 1 = solid	4.61	260	600	260	600	11	224.35	600	Drum	500	600	489.1	419	2,000	112
3	6		Class 1 = solid	3.08	200	390	200	390	13	305.17	390	Ring	50	390	755.21	86	2,400	15
3	6		Class 1 = solid	3.08	200	430	200	430	13	305.17	430	Ring	100	430	755.21	132	2,400	31
3	6		Class 1 = solid	3.08	315	710	315	710	13	305.17	710	Drum	500	710	179.59	462	500	153
4	1.5		Class 1 = solid	12.1	200	370	200	370	9	132.61	370	Ring	50	370	619.37	51	4,500	7
4	1.5		Class 1 = solid	12.1	200	390	200	390	9	132.61	390	Ring	100	390	659.14	88	4,800	13
4	1.5		Class 1 = solid	12.1	150	450	150	450	9	132.61	450	Drum	500	450	857.82	419	6,000	66
4	2.5		Class 1 = solid	7.41	200	390	200	390	11	190.6	390	Ring	50	390	823.32	59	4,200	10
4	2.5		Class 1 = solid	7.41	200	390	200	390	11	190.6	390	Ring	100	390	708.96	118	3,600	19

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Number of cores	Nominal cross section conductor (in mm²)	Conductor Diameter	Conductor category	Conductor resistance at 20 °C (in Ohm/km)	Core diameter (in mm)	Diamètre extérieur (in mm)	Kerndurchmesser (in mm)	Outer diameter (in mm)	Outer diameter approx. (in mm)	Weight (in kg/km)	diámetro exterior (in mm)	Packing	Individual length (in m)	Außendurchmesser (in mm)	Bruttogewicht pro Palette einheit (in kg)	Höhe (in mm)	Palette einheit (in m)	Net weight (in kg)
4	2.5		Class 1 = solid	7.41	150	500	150	500	11	190.6	500	Drum	500	500	1,010.8	419	5,000	95
4	4		Class 1 = solid	4.61	200	390	200	390	13	284.06	390	Ring	50	390	704.54	85	2,400	14
4	4		Class 1 = solid	4.61	355	710	355	710	13	284.06	710	Drum	500	710	167.03	520	500	142
4	6		Class 1 = solid	3.08	200	390	200	390	14	374.04	390	Ring	50	390	471.65	101	1,200	19
4	6		Class 1 = solid	3.08	200	430	200	430	14	374.04	430	Ring	100	430	696.07	157	1,800	37
4	6		Class 1 = solid	3.08	315	710	315	710	14	374.04	710	Drum	500	710	214.02	462	500	187
4	6		Class 1 = solid	3.08	315	752	315	752	14	374.04	752	Drum	500	752	821.52	419	2,000	187
4	10		Class 1 = solid	1.83	300	470	300	470	17	585.17	470	Ring	50	470	554.06	128	900	30
4	10		Class 1 = solid	1.83	300	590	300	590	17	585.17	590	Ring	100	590	731.15	129	1,200	59
4	10		Class 1 = solid	1.83	355	710	355	710	17	585.17	710	Drum	250	710	172.57	520	250	148
4	10		Class 1 = solid	1.83	450	900	450	900	17	585.17	900	Drum	500	900	342.15	690	500	295
4	16		Class 2 = stranded	1.15	300	590	300	590	20	904.75	590	Ring	50	590	746.6	95	800	45
4	16		Class 2 = stranded	1.15	400	800	400	800	20	904.75	800	Drum	250	800	257.19	520	250	226
4	16		Class 2 = stranded	1.15	500	1,000	500	1,000	20	904.75	1,000	Drum	500	1,000	523.38	710	500	452
4	25		Class 2 = stranded	0.727	450	900	450	900	24	1,385.1	900	Drum	250	900	393.28	690	250	346
4	25		Class 2 = stranded	0.727	630	1,250	630	1,250	24	1,385.1	1,250	Drum	500	1,250	836.55	890	500	693
5	1.5		Class 1 = solid	12.1	200	390	200	390	10	155.28	390	Ring	50	390	674.98	52	4,200	8
5	1.5		Class 1 = solid	12.1	200	390	200	390	10	155.28	390	Ring	100	390	674.98	103	4,200	16
5	1.5		Class 1 = solid	12.1	150	450	150	450	10	155.28	450	Drum	500	450	670.32	419	4,000	78
5	2.5		Class 1 = solid	7.41	200	390	200	390	12	223.79	390	Ring	50	390	735.36	70	3,000	12
5	2.5		Class 1 = solid	7.41	200	390	200	390	12	223.79	390	Ring	100	390	877.87	139	3,600	24

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5	2.5		Class 1 = solid	7.41	150	500	150	500	12	223.79	500	Drum	500	500	756.36	419	3,000	119
5	4		Class 1 = solid	4.61	200	390	200	390	14	336.41	390	Ring	50	390	426.52	100	1,200	17
5	4		Class 1 = solid	4.61	200	430	200	430	14	336.41	430	Ring	100	430	628.37	154	1,800	34
5	4		Class 1 = solid	4.61	315	752	315	752	14	336.41	752	Drum	500	752	746.3	419	2,000	168
5	6		Class 1 = solid	3.08	300	430	300	430	15	445.8	430	Ring	50	430	557.76	142	1,200	22
5	6		Class 1 = solid	3.08	300	590	300	590	15	445.8	590	Ring	100	590	736.08	105	1,600	45
5	10		Class 1 = solid	1.83	300	470	300	470	18	715.4	470	Ring	50	470	600.58	153	800	36
5	10		Class 1 = solid	1.83	300	590	300	590	18	715.4	590	Ring	100	590	745.03	155	1,000	72
5	10		Class 1 = solid	1.83	315	710	315	710	18	715.4	710	Drum	250	710	207.56	462	250	181
5	10		Class 1 = solid	1.83	450	900	450	900	18	715.4	900	Drum	500	900	408.12	690	500	361
5	16	16	Class 2 = stranded	1.15	300	470	300	470	22	1,095.7	470	Ring	25	470	1,008.93	117	900	27
5	16		Class 2 = stranded	1.15	300	590	300	590	22	1,118.9	590	Ring	50	590	789.79	119	700	55
5	16		Class 2 = stranded	1.15	450	900	450	900	22	1,118.9	900	Drum	250	900	320.93	690	250	274
5	16		Class 2 = stranded	1.15	500	1,000	500	1,000	22	1,118.9	1,000	Drum	500	1,000	618.85	710	500	548
5	25		Class 2 = stranded	0.727	450	900	450	900	27	1,685.4	900	Drum	250	900	460.18	690	250	413
5	25		Class 2 = stranded	0.727	630	1,250	630	1,250	27	1,685.4	1,250	Drum	500	1,250	970.35	890	500	826
7	1.5		Class 1 = solid	12.1					11	196.01		Ring	50		728.18		3,600	10
7	1.5		Class 1 = solid	12.1	200	390	200	390	11	196.01	390	Ring	100	390	728.18	120	3,600	20
7	1.5		Class 1 = solid	12.1	150	500	150	500	11	196.01	500	Drum	500	500	631.62	419	3,000	98
7	2.5		Class 1 = solid	7.41	200	390	200	390	13	298.59	390	Ring	50	390	739.42	87	2,400	15
7	2.5		Class 1 = solid	7.41	200	430	200	430	13	298.59	430	Ring	100	430	619.98	135	2,000	30

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7	2.5		Class 1 = solid	7.41	260	600	260	600	13	298.59	600	Drum	500	600	637.58	419	2,000	149

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