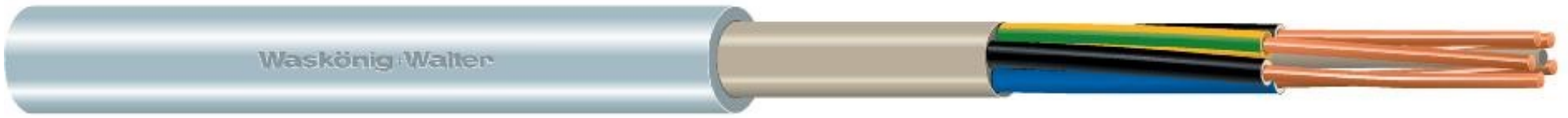
Waskönig + Walter

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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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)	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)
1	4		Class 1 = solid	4.61		7	73.03	Ring	50		373.34		4,800	4
1	4		Class 1 = solid	4.61	200	7	73.03	Ring	100	380	680.07	53	9,000	7
1	4		Class 1 = solid	4.61	150	7	73.03	Drum	500	410	498.18	419	6,000	37
1	6		Class 1 = solid	3.08		7	93.83	Ring	50		416.89		4,200	5
1	6		Class 1 = solid	3.08	200	7	93.83	Ring	100	390	867.27	57	9,000	9
1	6		Class 1 = solid	3.08	150	7	93.83	Drum	500	410	622.98	419	6,000	47
1	10		Class 1 = solid	1.83	200	9	141.36	Ring	50	340	706.94	55	4,800	7
1	10		Class 1 = solid	1.83	200	9	141.36	Ring	100	390	877.98	74	6,000	14

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1	10		Class 1 = solid	1.83	150	9	141.36	Drum	500	450	917.58	419	6,000	71
1	16		Class 2 = stranded	1.15	200	10	210.27	Ring	50	380	716.69	53	3,300	11
1	16		Class 2 = stranded	1.15	200	10	210.27	Ring	100	390	1,032.1	99	4,800	21
1	16		Class 2 = stranded	1.15	150	10	210.27	Drum	500	500	1,109.15	419	5,000	105
3	1.5		Class 1 = solid	12.1	200	9	111.08	Ring	50	350	555.98	52	4,800	6
3	1.5	1.5	Class 1 = solid	12.1	200	9	111.08	Ring	100	390	689.28	76	6,000	11
3	1.5		Class 1 = solid	12.1	150	9	111.08	Drum	500	410	726.48	419	6,000	56
3	2.5		Class 1 = solid	7.41	200	10	157.84	Ring	50	390	685.73	51	4,200	8
3	2.5		Class 1 = solid	7.41	200	10	157.84	Ring	100	390	685.73	101	4,200	16
3	2.5		Class 1 = solid	7.41	150	10	157.84	Drum	500	450	680.56	419	4,000	79
3	4		Class 1 = solid	4.61	200	11	224.35	Ring	50	390	493.94	67	2,100	11
3	4		Class 1 = solid	4.61	200	11	224.35	Ring	100	390	830.46	133	3,600	22
3	4		Class 1 = solid	4.61	260	11	224.35	Drum	500	600	489.1	419	2,000	112
3	6		Class 1 = solid	3.08	200	13	305.17	Ring	50	390	755.21	86	2,400	15
3	6		Class 1 = solid	3.08	200	13	305.17	Ring	100	430	755.21	132	2,400	31
3	6		Class 1 = solid	3.08	315	13	305.17	Drum	500	710	179.59	462	500	153
4	1.5		Class 1 = solid	12.1	200	9	132.61	Ring	50	370	619.37	51	4,500	7
4	1.5		Class 1 = solid	12.1	200	9	132.61	Ring	100	390	659.14	88	4,800	13
4	1.5		Class 1 = solid	12.1	150	9	132.61	Drum	500	450	857.82	419	6,000	66
4	1.5		Class 1 = solid	12.1	260	9	132.61	Drum	1000	600	570.68	419	4,000	133
4	2.5		Class 1 = solid	7.41	200	11	190.6	Ring	50	390	823.32	59	4,200	10

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4	2.5		Class 1 = solid	7.41	200	11	190.6	Ring	100	390	708.96	118	3,600	19
4	2.5		Class 1 = solid	7.41	150	11	190.6	Drum	500	500	1,010.8	419	5,000	95
4	4		Class 1 = solid	4.61	200	13	284.06	Ring	50	390	704.54	85	2,400	14
4	4		Class 1 = solid	4.61	200	13	284.06	Ring	100	430	704.54	131	2,400	28
4	4		Class 1 = solid	4.61	355	13	284.06	Drum	500	710	167.03	520	500	142
4	4		Class 1 = solid	4.61	355	13	284.06	Drum	500	710	167.03	520	500	142
4	6		Class 1 = solid	3.08	200	14	374.04	Ring	50	390	471.65	101	1,200	19
4	6		Class 1 = solid	3.08	200	14	374.04	Ring	100	430	696.07	157	1,800	37
4	6		Class 1 = solid	3.08	315	14	374.04	Drum	500	710	214.02	462	500	187
4	6		Class 1 = solid	3.08	315	14	374.04	Drum	500	752	821.52	419	2,000	187
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
4	16		Class 2 = stranded	1.15		20	904.75	Ring	100		656.13		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	300	24	1,385.1	Ring	50	590	369.08	140	250	69
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

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4	35		Class 2 = stranded	0.524	355	27	1,847	Drum	50	710	117.35	520	50	92
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
5	1.5		Class 1 = solid	12.1	200	10	155.28	Ring	50	390	674.98	52	4,200	8
5	1.5		Class 1 = solid	12.1	200	10	155.28	Ring	100	390	674.98	103	4,200	16
5	1.5		Class 1 = solid	12.1	150	10	155.28	Drum	500	450	670.32	419	4,000	78
5	1.5		Class 1 = solid	12.1	315	10	155.28	Drum	1000	752	694.56	419	4,000	155
5	2.5		Class 1 = solid	7.41	200	12	223.79	Ring	50	390	735.36	70	3,000	12
5	2.5		Class 1 = solid	7.41	200	12	223.79	Ring	100	390	877.87	139	3,600	24
5	2.5		Class 1 = solid	7.41	150	12	223.79	Drum	500	500	756.36	419	3,000	119
5	4		Class 1 = solid	4.61	200	14	336.41	Ring	50	390	426.52	100	1,200	17
5	4		Class 1 = solid	4.61	200	14	336.41	Ring	100	430	628.37	154	1,800	34
5	4		Class 1 = solid	4.61	315	14	336.41	Drum	500	752	746.3	419	2,000	168
5	6		Class 1 = solid	3.08	300	15	445.8	Ring	50	430	557.76	142	1,200	22
5	6		Class 1 = solid	3.08	300	15	445.8	Ring	100	590	736.08	105	1,600	45
5	10		Class 1 = solid	1.83	300	18	715.4	Ring	50	470	600.58	153	800	36
5	10		Class 1 = solid	1.83	300	18	715.4	Ring	100	590	745.03	155	1,000	72
5	10		Class 1 = solid	1.83	315	18	715.4	Drum	250	710	207.56	462	250	181
5	10		Class 1 = solid	1.83	450	18	715.4	Drum	500	900	408.12	690	500	361
5	16	16	Class 2 = stranded	1.15	300	22	1,095.7	Ring	25	470	1,008.93	117	900	27
5	16		Class 2 = stranded	1.15	300	22	1,118.9	Ring	50	590	789.79	119	700	55

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5	16		Class 2 = stranded	1.15	450	22	1,118.9	Drum	250	900	320.93	690	250	274
5	16		Class 2 = stranded	1.15	500	22	1,118.9	Drum	500	1,000	618.85	710	500	548
5	25		Class 2 = stranded	0.727	450	27	1,685.4	Drum	250	900	460.18	690	250	413
5	25		Class 2 = stranded	0.727	630	27	1,685.4	Drum	500	1,250	970.35	890	500	826
7	1.5		Class 1 = solid	12.1	200	11	196.01	Ring	50	390	728.18	60	3,600	10
7	1.5		Class 1 = solid	12.1	200	11	196.01	Ring	100	390	728.18	120	3,600	20
7	1.5		Class 1 = solid	12.1	150	11	196.01	Drum	500	500	631.62	419	3,000	98
7	2.5		Class 1 = solid	7.41	200	13	298.59	Ring	50	390	739.42	87	2,400	15
7	2.5		Class 1 = solid	7.41	200	13	298.59	Ring	100	430	619.98	135	2,000	30
7	2.5		Class 1 = solid	7.41	260	13	298.59	Drum	500	600	637.58	419	2,000	149

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