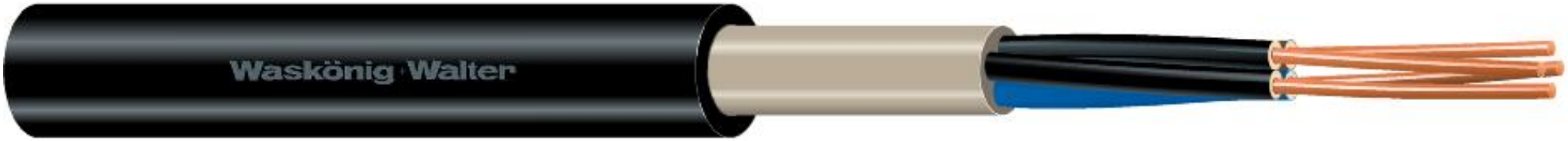
Power cable

NYY-O

Power cable, PVC insulated, copper conductor

0.6/1 kV



According to VDE 0276 part 603 and 627.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Core identification according to HD 308 S2		
Laminated sheath	No	
Fibre optic elements	No	

Characteristics	Properties	Unit
Protective conductor	No	
Inner semi-conducting layer	No	
Outer semi-conducting layer	No	
Screen	No	
Concentric conductor	None	
Armouring	No	
Material outer sheath	Polyvinyl chloride (PVC)	
Specification material outer sheath	Other	
Colour outer sheath	Black	
Cable geometry		
Conductive coating	No	
Longitudinal water blocking screen	No	
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	
Max. conductor temperature	70	°C
Permitted cable outer temperature during assembling/handling	-5 => 70	°C
Permitted cable outer temperature after assembling without vibration	-35 => 70	°C
Nominal voltage U0	0.6	kV
Nominal voltage U	1	kV
Suitable as installation cable		
Certified for shipboard application		
Suitable as medium-voltage cable		
Suitable as high-voltage cable		

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Characteristics	Properties	Unit
Certified as airport lighting cable		
max. short circuit temperature	160	°C
Insulation	PVC	

Außendurchmesser	Bruttogewicht pro Paletteinheit	Conductor category	Core identification	Höhe	Kerndurchmesser	Longitudinal water blocking conductors	Metal number	Min. permitted bending radius, stationary application/permanent installation	Minimum bending radius	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Shape conduc
		Class 1 = solid	Colour				Copper 38.4	120 mm	15 x Außen-Ø	4 mm²	1	8 mm		Round
450 mm	367.86 kg	Class 1 = solid	Colour	419 mm	150 mm		Copper 38.4	120 mm	15 x Außen-Ø	4 mm²	1	8 mm	3,000 m	Round
500 mm	1,076 kg	Class 1 = solid	Colour	419 mm	150 mm		Copper 38.4	120 mm	15 x Außen-Ø	4 mm²	1	8 mm	10,000 m	Round
		Class 1 = solid	Colour				Copper 58	135 mm	15 x Außen-Ø	6 mm²	1	9 mm		Round
		Class 1 = solid	Colour				Copper 96	150 mm	15 x Außen-Ø	10 mm²	1	10 mm		Round
		Class 1 = solid	Colour				Copper 96	150 mm	15 x Außen-Ø	10 mm²	1	10 mm		Round
710 mm	109.85 kg	Class 1 = solid	Colour	520 mm	355 mm		Copper 96	150 mm	15 x Außen-Ø	10 mm²	1	10 mm	501 m	Round
		Class 1 = solid	Colour				Copper 154	165 mm	15 x Außen-Ø	16 mm²	1	11 mm		Round

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		Class 1 = solid	Colour				Copper 154	165 mm	15 x Außen-Ø	16 mm²	1	11 mm		Round
710 mm	140.09 kg	Class 1 = solid	Colour	520 mm	355 mm		Copper 154	165 mm	15 x Außen-Ø	16 mm²	1	11 mm	501 m	Round
		Class 2 = stranded	Colour			No	Copper 240	195 mm	15 x Außen-Ø	25 mm²	1	13 mm		Round
		Class 2 = stranded	Colour				Copper 240	195 mm	15 x Außen-Ø	25 mm²	1	13 mm		Round
390 mm	859.34 kg	Class 2 = stranded	Colour	84 mm	200 mm		Copper 240	195 mm	15 x Außen-Ø	25 mm²	1	13 mm	2,400 m	Round
430 mm	719.92 kg	Class 2 = stranded	Colour	129 mm	200 mm		Copper 240	195 mm	15 x Außen-Ø	25 mm²	1	13 mm	2,000 m	Round
710 mm	201.28 kg	Class 2 = stranded	Colour	462 mm	315 mm		Copper 240	195 mm	15 x Außen-Ø	25 mm²	1	13 mm	500 m	Round
		Class 2 = stranded	Colour				Copper 336	210 mm	15 x Außen-Ø	35 mm²	1	14 mm		Round
		Class 2 = stranded	Colour				Copper 336	210 mm	15 x Außen-Ø	35 mm²	1	14 mm		Round
800 mm	255.04 kg	Class 2 = stranded	Colour	520 mm	400 mm		Copper 336	210 mm	15 x Außen-Ø	35 mm²	1	14 mm	500 m	Round

Außendurchmesser	Bruttogewicht pro Paletteinheit	Conductor category	Core identification	Höhe	Kerndurchmesser	Longitudinal water blocking conductors	Metal number	Min. permitted bending radius, stationary application/permanent installation	Minimum bending radius	Nominal cross section conductor	Number ofcores	Outer diameter approx.	Paletteinheit	Shape conduc
		Class 2 = stranded	Colour				Copper 480	225 mm	15 x Außen-Ø	50 mm²	1	15 mm		Round
		Class 2 = stranded	Colour				Copper 480	225 mm	15 x Außen-Ø	50 mm²	1	15 mm		Round
430 mm	635.49 kg	Class 2 = stranded	Colour	142 mm	300 mm		Copper 480	225 mm	15 x Außen-Ø	50 mm²	1	15 mm	1,050 m	Round
590 mm	956.42 kg	Class 2 = stranded	Colour	104 mm	300 mm		Copper 480	225 mm	15 x Außen-Ø	50 mm²	1	15 mm	1,600 m	Round
800 mm	323.76 kg	Class 2 = stranded	Colour	462 mm	315 mm		Copper 480	225 mm	15 x Außen-Ø	50 mm²	1	15 mm	500 m	Round
800 mm	323.76 kg	Class 2 = stranded	Colour	462 mm	315 mm		Copper 480	225 mm	15 x Außen-Ø	50 mm²	1	15 mm	500 m	Round
		Class 2 = stranded	Colour				Copper 672	255 mm	15 x Außen-Ø	70 mm²	1	17 mm		Round
470 mm	739.07 kg	Class 2 = stranded	Colour	131 mm	300 mm		Copper 672	255 mm	15 x Außen-Ø	70 mm²	1	17 mm	900 m	Round
900 mm	444.93 kg	Class 2 = stranded	Colour	690 mm	450 mm		Copper 672	255 mm	15 x Außen-Ø	70 mm²	1	17 mm	500 m	Round
		Class 2 = stranded	Colour				Copper 912	285 mm	15 x Außen-Ø	95 mm²	1	19 mm		Round

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900 mm	580.55 kg	Class 2 = stranded	Colour	690 mm	450 mm		Copper 912	285 mm	15 x Außen-Ø	95 mm²	1	19 mm	500 m	Round
		Class 2 = stranded	Colour				Copper 1152	300 mm	15 x Außen-Ø	120 mm²	1	20 mm		Round
1,000 mm	719.1 kg	Class 2 = stranded	Colour	710 mm	500 mm		Copper 1152	300 mm	15 x Außen-Ø	120 mm²	1	20 mm	500 m	Round
		Class 2 = stranded	Colour			No	Copper 1440	330 mm	15 x Außen-Ø	150 mm²	1	22 mm		Round
1,000 mm	866.95 kg	Class 2 = stranded	Colour	710 mm	500 mm		Copper 1440	330 mm	15 x Außen-Ø	150 mm²	1	22 mm	500 m	Round
		Class 2 = stranded	Colour			No	Copper 1776	360 mm	15 x Außen-Ø	185 mm²	1	24 mm		Round
1,250 mm	1,121.05 kg	Class 2 = stranded	Colour	890 mm	630 mm	No	Copper 1776	360 mm	15 x Außen-Ø	185 mm²	1	24 mm	500 m	Round
		Class 2 = stranded	Colour			No	Copper 2304	405 mm	15 x Außen-Ø	240 mm²	1	27 mm		Round
1,250 mm	1,406.6 kg	Class 2 = stranded	Colour	890 mm	630 mm		Copper 2304	405 mm	15 x Außen-Ø	240 mm²	1	27 mm	500 m	Round
		Class 2 = stranded	Colour				Copper 2880	450 mm	15 x Außen-Ø	300 mm²	1	30 mm		Round

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1,250 mm	1,719.05 kg	Class 2 = stranded	Colour	890 mm	630 mm		Copper 2880		15 x Außen-Ø	300 mm²	1	30 mm	500 m	Round
		Class 2 = stranded	Colour				Copper 3840	510 mm	15 x Außen-Ø	400 mm²	1	34 mm		Round
		Class 2 = stranded	Colour				Copper 3840	510 mm	15 x Außen-Ø	400 mm²	1	34 mm		Round
1,400 mm	2,172.2 kg	Class 2 = stranded	Colour	890 mm	710 mm		Copper 3840		15 x Außen-Ø	400 mm²	1	34 mm	500 m	Round
		Class 2 = stranded	Colour				Copper 4800	555 mm	15 x Außen-Ø	500 mm²	1	37 mm		Round
		Class 1 = solid	Colour				Copper 230	192 mm	12 x Außen-Ø	6 mm²	4	16 mm		Round
		Class 1 = solid	Colour				Copper 384	228 mm	12 x Außen-Ø	10 mm²	4	19 mm		Round
		Class 1 = solid	Colour				Copper 384	228 mm	12 x Außen-Ø	10 mm²	4	19 mm		Round
590 mm	646.28 kg	Class 1 = solid	Colour	83 mm	300 mm		Copper 384	228 mm	12 x Außen-Ø	10 mm²	4	19 mm	900 m	Round
	646.28 kg	Class 1 = solid	Colour				Copper 384	228 mm	12 x Außen-Ø	10 mm²	4	19 mm	900 m	Round

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900 mm	393.38 kg	Class 1 = solid	Colour	690 mm	450 mm		Copper 384	228 mm	12 x Außen-Ø	10 mm²	4	19 mm	500 m	Round
		Class 1 = solid	Colour				Copper 614	240 mm	12 x Außen-Ø	16 mm²	4	20 mm		Round
		Class 1 = solid	Colour				Copper 614	240 mm	12 x Außen-Ø	16 mm²	4	20 mm		Round
	674.35 kg	Class 1 = solid	Colour				Copper 614	240 mm	12 x Außen-Ø	16 mm²	4	20 mm	700 m	Round
1,000 mm	536.39 kg	Class 1 = solid	Colour	710 mm	500 mm		Copper 614	240 mm	12 x Außen-Ø	16 mm²	4	20 mm	500 m	Round
		Class 2 = stranded	Colour				Copper 960	300 mm	12 x Außen-Ø	25 mm²	4	25 mm		Round
1,250 mm	869.2 kg	Class 2 = stranded	Colour	890 mm	630 mm		Copper 960	300 mm	12 x Außen-Ø	25 mm²	4	25 mm	500 m	Round
		Class 2 = stranded	Colour			No	Copper 1344	300 mm	12 x Außen-Ø	35 mm²	4	25 mm		Sector shape
1,250 mm	992.5 kg	Class 2 = stranded	Colour	890 mm	630 mm		Copper 1344	300 mm	12 x Außen-Ø	35 mm²	4	25 mm	500 m	Sector shape
		Class 2 = stranded	Colour				Copper 1920	360 mm	12 x Außen-Ø	50 mm²	4	30 mm		Sector shape

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1,250 mm	1,322.5 kg	Class 2 = stranded	Colour	890 mm	630 mm		Copper 1920	360 mm	12 x Außen-Ø	50 mm²	4	30 mm	500 m	Secto shape
		Class 2 = stranded	Colour				Copper 2688	396 mm	12 x Außen-Ø	70 mm²	4	33 mm		Secto shape
		Class 2 = stranded	Colour				Copper 3648	444 mm	12 x Außen-Ø	95 mm²	4	37 mm		Secto shape
		Class 2 = stranded	Colour				Copper 4608	516 mm	12 x Außen-Ø	120 mm²	4	43 mm		Secto shape
		Class 2 = stranded	Colour				Copper 5760	516 mm	12 x Außen-Ø	150 mm²	4	43 mm		Secto shape
		Class 2 = stranded	Colour				Copper 7104	612 mm	12 x Außen-Ø	185 mm²	4	51 mm		Secto shape
		Class 2 = stranded	Colour				Copper 9216	660 mm	12 x Außen-Ø	240 mm²	4	55 mm		Secto shape
		Class 2 = stranded	Colour				Copper 11520	720 mm	12 x Außen-Ø	300 mm²	4	60 mm		Secto shape
		Class 1 = solid	Numbers				Copper 101	168 mm	12 x Außen-Ø	1.5 mm²	7	14 mm		Round
		Class 1 = solid	Numbers				Copper 101	168 mm	12 x Außen-Ø	1.5 mm²	7	14 mm		Round