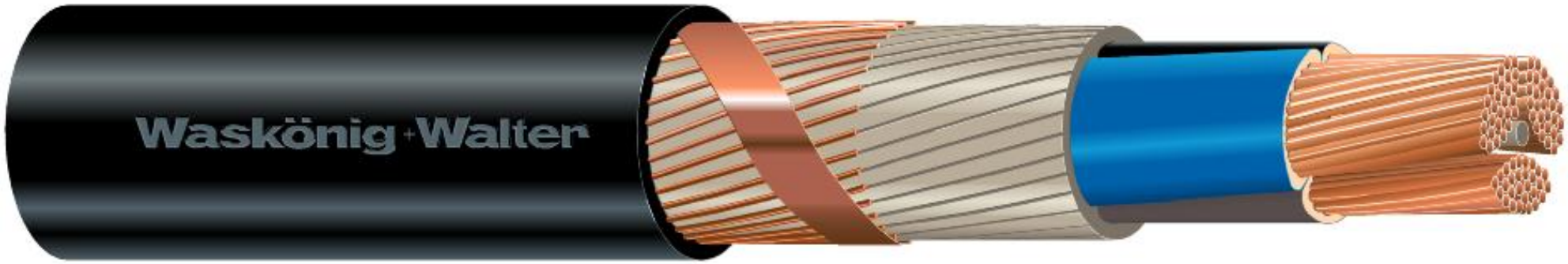
Power cable

NYCWY

Power cable, PVC insulated, copper conductor, concentric copper conductor waveform

0.6/1 kV



According to VDE 0276 part 603.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Core identification according to HD 308 S2		
Core identification	Colour	
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	No	
Inner semi-conducting layer	No	
Outer semi-conducting layer	No	
Screen	No	

Characteristics	Properties	Unit
Concentric conductor	Copper	
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 conductors	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	-30 => 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		
Certified as airport lighting cable		
max. short circuit temperature	160	°C
Insulation	PVC	

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Characteristics	Properties	Unit
Minimum bending radius	12	x Außen-Ø
Paletteinheit	500	m

Außendurchmesser	Bruttogewicht pro Paletteinheit	Conductor category	Höhe	Kerndurchmesser	Metal number	Min. permitted bending radius, stationary application/permanent installation	Nominal cross section concentric conductor	Nominal cross section conductor	Number of cores	Outer diameter approx.	Shape of conductor	Weight	Individual length	Net weight	P
		Class 1 = solid			Copper 312	216 mm	10 mm²	10 mm²	2	18 mm	Round	588.75	Cut length	592 kg	F D
		Class 1 = solid			Copper 489	240 mm	16 mm²	16 mm²	2	20 mm	Round	813.89	Cut length	814 kg	F D
		Class 1 = solid			Copper 408	228 mm	10 mm²	10 mm²	3	19 mm	Round	685.71	Cut length	690 kg	F D
900 mm	392.05 kg	Class 1 = solid	690 mm	450 mm	Copper 408	228 mm	10 mm²	10 mm²	3	19 mm	Round	685.71	500 m	345 kg	D
		Class 1 = solid			Copper 643	252 mm	16 mm²	16 mm²	3	21 mm	Round	960.26	Cut length	960 kg	F D
1,000 mm	551.13 kg	Class 1 = solid	710 mm	500 mm	Copper 643	252 mm	16 mm²	16 mm²	3	21 mm	Round	960.26	500 m	480 kg	D
		Class 2 = stranded			Copper 902	300 mm	16 mm²	25 mm²	3	25 mm	Round	1,380.5	Cut length	1,381 kg	F D
		Class 2 = stranded			Copper 1190		16 mm²	35 mm²	3	28 mm	Round	1,732.9	Cut length	1,733 kg	F D
		Class 2 = stranded			Copper 1723	336 mm	25 mm²	50 mm²	3	28 mm	Sector-shaped	2,030.9	Cut length	2,031 kg	F D
		Class 2 = stranded			Copper 2410	372 mm	35 mm²	70 mm²	3	31 mm	Sector-shaped	2,794.2	Cut length	2,794 kg	F D

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Außendurchmesser	Bruttogewicht pro Paletteinheit	Conductor category	Höhe	Kerndurchmesser	Metal number	Min. permitted bending radius, stationary application/permanent installation	Nominal cross section concentric conductor	Nominal cross section conductor	Number ofcores	Outer diameter approx.	Shape of conductor	Weight	Individual length	Net weight	F
		Class 2 = stranded			Copper 3296	456 mm	50 mm²	95 mm²	3	38 mm	Sector-shaped	4,001.9	Cut length	4,002 kg	F D
		Class 2 = stranded			Copper 4236	480 mm	70 mm²	120 mm²	3	40 mm	Sector-shaped	4,846.1	Cut length	4,846 kg	F D
		Class 2 = stranded			Copper 5100	528 mm	70 mm²	150 mm²	3	44 mm	Sector-shaped	5,865.7	Cut length	5,866 kg	F D
		Class 2 = stranded			Copper 6383	588 mm	95 mm²	185 mm²	3	49 mm	Sector-shaped	7,490.5	Cut length	7,491 kg	F D
		Class 2 = stranded			Copper 8242	624 mm	120 mm²	240 mm²	3	52 mm	Sector-shaped	9,353.2	Cut length	9,353 kg	F D
		Class 1 = solid			Copper 504	240 mm	10 mm²	10 mm²	4	20 mm	Round	812.38	Cut length	818 kg	F D
1,000 mm	479.95 kg	Class 1 = solid	710 mm	500 mm	Copper 504	240 mm	10 mm²	10 mm²	4	20 mm	Round	812.38	500 m	409 kg	D
		Class 1 = solid			Copper 796	276 mm	16 mm²	16 mm²	4	23 mm	Round	1,144.7	Cut length	1,145 kg	F D
1,000 mm	643.35 kg	Class 1 = solid	710 mm	500 mm	Copper 796	276 mm	16 mm²	16 mm²	4	23 mm	Round	1,144.7	500 m	572 kg	D
		Class 2 = stranded			Copper 1142	324 mm	16 mm²	25 mm²	4	27 mm	Round	1,672.7	Cut length	1,673 kg	F D
1,250 mm	980.35 kg	Class 2 = stranded	890 mm	630 mm	Copper 1142	324 mm	16 mm²	25 mm²	4	27 mm	Round	1,672.7	500 m	836 kg	D

Außendurchmesser	Bruttogewicht pro Paletteinheit	Conductor category	Höhe	Kerndurchmesser	Metal number	Min. permitted bending radius, stationary application/permanent installation	Nominal cross section concentric conductor	Nominal cross section conductor	Number ofcores	Outer diameter approx.	Shape of conductor	Weight	Individual length	Net weight	F
		Class 2 = stranded			Copper 1526		16 mm²	35 mm²	4	30 mm	Round	2,119.3	Cut length	2,119 kg	F D
1,250 mm	1,203.65 kg	Class 2 = stranded	890 mm	630 mm	Copper 1526		16 mm²	35 mm²	4	30 mm	Round	2,119.3	500 m	1,060 kg	D
		Class 2 = stranded			Copper 2203	384 mm	25 mm²	50 mm²	4	32 mm	Sector-shaped	2,646.3	Cut length	2,646 kg	F D
1,250 mm	1,467.15 kg	Class 2 = stranded	890 mm	630 mm	Copper 2203	384 mm	25 mm²	50 mm²	4	32 mm	Sector-shaped	2,646.3	500 m	1,323 kg	D
		Class 2 = stranded			Copper 3082	408 mm	35 mm²	70 mm²	4	34 mm	Sector-shaped	3,515.8	Cut length	3,516 kg	F D
		Class 2 = stranded			Copper 4208	480 mm	50 mm²	95 mm²	4	40 mm	Sector-shaped	4,933	Cut length	4,933 kg	F D
1,600 mm	2,742.5 kg	Class 2 = stranded	1,100 mm	800 mm	Copper 4208		50 mm²	95 mm²	4	40 mm	Sector-shaped	4,933	500 m	2,467 kg	D
		Class 2 = stranded			Copper 5388	540 mm	70 mm²	120 mm²	4	45 mm	Sector-shaped	6,241.9	Cut length	6,242 kg	F D
1,800 mm	3,461.95 kg	Class 2 = stranded	1,030 mm	1,000 mm	Copper 5388		70 mm²	120 mm²	4	45 mm	Sector-shaped	6,241.9	500 m	3,121 kg	D
		Class 2 = stranded			Copper 6540	564 mm	70 mm²	150 mm²	4	47 mm	Sector-shaped	7,342.1	Cut length	7,342 kg	F D

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2,000 mm	4,221.05 kg	Class 2 = stranded	1,275 mm	1,000 mm	Copper 6540		70 mm²	150 mm²	4	47 mm	Sector-shaped	7,342.1	500 m	3,671 kg	D
		Class 2 = stranded			Copper 8159	648 mm	95 mm²	185 mm²	4	54 mm	Sector-shaped	9,382.3	Cut length	9,382 kg	F D
2,000 mm	5,241.15 kg	Class 2 = stranded	1,275 mm	1,000 mm	Copper 8159		95 mm²	185 mm²	4	54 mm	Sector-shaped	9,382.3	500 m	4,691 kg	D
		Class 2 = stranded			Copper 10546	708 mm	120 mm²	240 mm²	4	59 mm	Sector-shaped	11,919	Cut length	11,919 kg	F D
2,240 mm	6,669.5 kg	Class 2 = stranded	1,450 mm	1,400 mm	Copper 10546		120 mm²	240 mm²	4	59 mm	Sector-shaped	11,919	500 m	5,960 kg	D

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