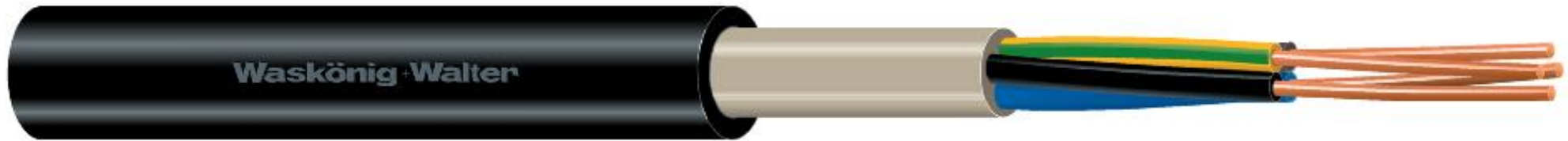


Power cable

N2XH-J

Power cable, XLPE insulated, copper conductor, halogen-free, improved behaviour in case of fire

0.6/1 kV



According to VDE 0276 part 604 and 627.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Shape of conductor	Round	
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	Yes	
Inner semi-conducting layer	No	
Outer semi-conducting layer	No	
Screen	No	
Concentric conductor	None	
Armouring	No	
Material outer sheath	Polyolefin	
Specification material outer sheath	Polyethylene (PE)	

Characteristics	Properties	Unit
Colour outer sheath	Black	
Conductive coating	No	
Longitudinal water blocking screen	No	
Reaction-to-fire according to EN 13501-6: Class	Fca	
Halogen free (acc. EN 60754-1/2)	Yes	
Flame retardant	In accordance with IEC/EN 60332-3-24	
Low smoke (acc. EN 61034-2)	Yes	
Max. conductor temperature	90	°C
Permitted cable outer temperature during assembling/handling	5 => 70	°C
Nominal voltage U0	0.6	kV
Nominal voltage U	1	kV
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	
Core identification according to HD 308 S2		
Cable geometry		
Suitable as installation cable		
Certified for shipboard application		
Suitable as medium-voltage cable		
Suitable as high-voltage cable		
Certified as airport lighting cable		

Bruttogewicht pro Paletteinheit	Conductor category	Core identification	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	Weight	Individual length	Net weight	Packing
	Class 1 = solid	Colour	No	Copper 38	105 mm	15 x Außen-Ø	4 mm ²	1	7 mm		71.53	Cut length	72 kg	Ring, Drum

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	Class 1 = solid	Colour	Yes	Copper 58	105 mm	15 x Außen-Ø	6 mm ²	1	7 mm		91.95	Cut length	92 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 96	120 mm	15 x Außen-Ø	10 mm ²	1	8 mm		131.72	Cut length	132 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 154	135 mm	15 x Außen-Ø	16 mm ²	1	9 mm		197.43	Cut length	197 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 240	165 mm	15 x Außen-Ø	25 mm ²	1	11 mm		294.04	Cut length	294 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 336	180 mm	15 x Außen-Ø	35 mm ²	1	12 mm		387.28	Cut length	387 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 480	156 mm	12 x Außen-Ø	50 mm ²	1	13 mm		508.44	Cut length	508 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 672	225 mm	15 x Außen-Ø	70 mm ²	1	15 mm		721.26	Cut length	721 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 912	255 mm	15 x Außen-Ø	95 mm ²	1	17 mm		965.7	Cut length	966 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 1152	270 mm	15 x Außen-Ø	120 mm ²	1	18 mm		1,193.6	Cut length	1,194 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 1440	315 mm	15 x Außen-Ø	150 mm ²	1	21 mm		1,481.2	Cut length	1,481 kg	Ring, Drum

Bruttogewicht pro Paletteinheit	Conductor category	Core identification	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	Weight	Individual length	Net weight	Packing
	Class 2 = stranded	Colour	No	Copper 1776	345 mm	15 x Außen-Ø	185 mm ²	1	23 mm		1,823.2	Cut length	1,823 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 2304	375 mm	15 x Außen-Ø	240 mm ²	1	25 mm		2,375.5	Cut length	2,376 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 2880	420 mm	15 x Außen-Ø	300 mm ²	1	28 mm		2,951.5	Cut length	2,952 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 43	108 mm	12 x Außen-Ø	1.5 mm ²	3	9 mm		128.07	Cut length	128 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 72	120 mm	12 x Außen-Ø	2.5 mm ²	3	10 mm		166.16	Cut length	166 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 115	132 mm	12 x Außen-Ø	4 mm ²	3	11 mm		215.37	Cut length	215 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 173	144 mm	12 x Außen-Ø	6 mm ²	3	12 mm		287.4	Cut length	287 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 288	168 mm	12 x Außen-Ø	10 mm ²	3	14 mm		421.67	Cut length	422 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 461	204 mm	12 x Außen-Ø	16 mm ²	3	17 mm		654.15	Cut length	654 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 720	240 mm	12 x Außen-Ø	25 mm ²	3	20 mm		992	Cut length	992 kg	Ring, Drum

Bruttogewicht pro Paletteinheit	Conductor category	Core identification	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	Weight	Individual length	Net weight	Packing
	Class 2 = stranded	Colour	No	Copper 1008	276 mm	12 x Außen-Ø	35 mm ²	3	23 mm		1,331.8	Cut length	1,332 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 58	120 mm	12 x Außen-Ø	1.5 mm ²	4	10 mm		149.43	Cut length	149 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 96	132 mm	12 x Außen-Ø	2.5 mm ²	4	11 mm		197.14	Cut length	197 kg	Ring, Drum
862 kg	Class 1 = solid	Colour		Copper 96	132 mm	12 x Außen-Ø	2.5 mm ²	4	11 mm	4,000 m	197.14	1000 m	197 kg	Drum
	Class 1 = solid	Colour	Yes	Copper 154	144 mm	12 x Außen-Ø	4 mm ²	4	12 mm		260.23	Cut length	260 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 230	156 mm	12 x Außen-Ø	6 mm ²	4	13 mm		357.24	Cut length	357 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 384	180 mm	12 x Außen-Ø	10 mm ²	4	15 mm		528.74	Cut length	529 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 614	228 mm	12 x Außen-Ø	16 mm ²	4	19 mm		821.86	Cut length	822 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 960	276 mm	12 x Außen-Ø	25 mm ²	4	23 mm		1,251.1	Cut length	1,251 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 1344	312 mm	12 x Außen-Ø	35 mm ²	4	26 mm		1,683	Cut length	1,683 kg	Ring, Drum

Bruttogewicht pro Paletteinheit	Conductor category	Core identification	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	Weight	Individual length	Net weight	Packing
985.5 kg	Class 2 = stranded	Colour	No	Copper 1344	312 mm	12 x Außen-Ø	35 mm ²	4	26 mm	500 m	1,683	500 m	842 kg	Drum
	Class 2 = stranded	Colour	No	Copper 1920	336 mm	12 x Außen-Ø	50 mm ²	4	28 mm		2,209.8	Cut length	2,210 kg	Ring, Drum
1,248.9 kg	Class 2 = stranded	Colour	No	Copper 1920	336 mm	12 x Außen-Ø	50 mm ²	4	28 mm	500 m	2,209.8	500 m	1,105 kg	Drum
933.85 kg	Class 2 = stranded	Colour	No	Copper 2688	408 mm	12 x Außen-Ø	70 mm ²	4	34 mm	250 m	3,159.4	250 m	790 kg	Drum
1,754.7 kg	Class 2 = stranded	Colour	No	Copper 2688	408 mm	12 x Außen-Ø	70 mm ²	4	34 mm	500 m	3,159.4	500 m	1,580 kg	Drum
1,207.05 kg	Class 2 = stranded	Colour	No	Copper 3648	456 mm	12 x Außen-Ø	95 mm ²	4	38 mm	250 m	4,252.2	250 m	1,063 kg	Drum
2,402.1 kg	Class 2 = stranded	Colour	No	Copper 3648	456 mm	12 x Außen-Ø	95 mm ²	4	38 mm	500 m	4,252.2	500 m	2,126 kg	Drum
	Class 2 = stranded	Colour	No	Copper 4608	492 mm	12 x Außen-Ø	120 mm ²	4	41 mm		5,267.9	Cut length	5,268 kg	Ring, Drum
	Class 2 = stranded	Colour	No	Copper 7104	624 mm	12 x Außen-Ø	185 mm ²	4	52 mm		8,156.2	Cut length	8,156 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 72	132 mm	12 x Außen-Ø	1.5 mm ²	5	11 mm		179.42	Cut length	179 kg	Ring, Drum

Bruttogewicht pro Paletteinheit	Conductor category	Core identification	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	Weight	Individual length	Net weight	Packing
776.36 kg	Class 1 = solid	Colour	Yes	Copper 72	132 mm	12 x Außen-Ø	1.5 mm ²	5	11 mm	4,200 m	179.42	100 m	18 kg	Ring
791.12 kg	Class 1 = solid	Colour	Yes	Copper 72	132 mm	12 x Außen-Ø	1.5 mm ²	5	11 mm	4,000 m	179.42	1000 m	179 kg	Drum
	Class 1 = solid	Colour	Yes	Copper 120	144 mm	12 x Außen-Ø	2.5 mm ²	5	12 mm		237.96	Cut length	238 kg	Ring, Drum
736.68 kg	Class 1 = solid	Colour	Yes	Copper 120	144 mm	12 x Außen-Ø	2.5 mm ²	5	12 mm	3,000 m	237.96	100 m	24 kg	Ring
	Class 1 = solid	Colour	No	Copper 192	156 mm	12 x Außen-Ø	4 mm ²	5	13 mm		316.16	Cut length	316 kg	Ring, Drum
189.08 kg	Class 1 = solid	Colour	Yes	Copper 192	156 mm	12 x Außen-Ø	4 mm ²	5	13 mm	500 m	316.16	500 m	158 kg	Drum
	Class 1 = solid	Colour	Yes	Copper 288	168 mm	12 x Außen-Ø	6 mm ²	5	14 mm		423.06	Cut length	423 kg	Ring, Drum
	Class 1 = solid	Colour	Yes	Copper 480	204 mm	12 x Außen-Ø	10 mm ²	5	17 mm		633.27	Cut length	633 kg	Ring, Drum
363.64 kg	Class 1 = solid	Colour	Yes	Copper 480	204 mm	12 x Außen-Ø	10 mm ²	5	17 mm	500 m	633.27	500 m	317 kg	Drum
	Class 2 = stranded	Colour	No	Copper 768	240 mm	12 x Außen-Ø	16 mm ²	5	20 mm		978.62	Cut length	979 kg	Ring, Drum

Bruttogewicht pro Paletteinheit	Conductor category	Core identification	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	Weight	Individual length	Net weight	Packing
	Class 2 = stranded	Colour	No	Copper 1200	300 mm	12 x Außen-Ø	25 mm ²	5	25 mm		1,519.7	Cut length	1,520 kg	Ring, Drum
	Class 1 = solid	Numbers	Yes	Copper 101	144 mm	12 x Außen-Ø	1.5 mm ²	7	12 mm		211.78	Cut length	212 kg	Ring, Drum
920.56 kg	Class 1 = solid	Numbers	Yes	Copper 101	144 mm	12 x Außen-Ø	1.5 mm ²	7	12 mm	4,000 m	211.78	1000 m	212 kg	Drum
	Class 1 = solid	Numbers	Yes	Copper 168	156 mm	12 x Außen-Ø	2.5 mm ²	7	13 mm		287.48	Cut length	287 kg	Ring, Drum
	Class 1 = solid	Numbers	Yes	Copper 144	168 mm	12 x Außen-Ø	1.5 mm ²	10	14 mm		293.98	Cut length	294 kg	Ring, Drum
	Class 1 = solid	Numbers	Yes	Copper 240	180 mm	12 x Außen-Ø	2.5 mm ²	10	15 mm		409.47	Cut length	409 kg	Ring, Drum
	Class 1 = solid	Numbers	Yes	Copper 173	180 mm	12 x Außen-Ø	1.5 mm ²	12	15 mm		342.76	Cut length	343 kg	Ring, Drum
	Class 1 = solid	Numbers	Yes	Copper 288	192 mm	12 x Außen-Ø	2.5 mm ²	12	17 mm		482.09	Cut length	482 kg	Ring, Drum
	Class 1 = solid	Numbers	Yes	Copper 202	180 mm	12 x Außen-Ø	1.5 mm ²	14	16 mm		387.83	Cut length	388 kg	Ring, Drum