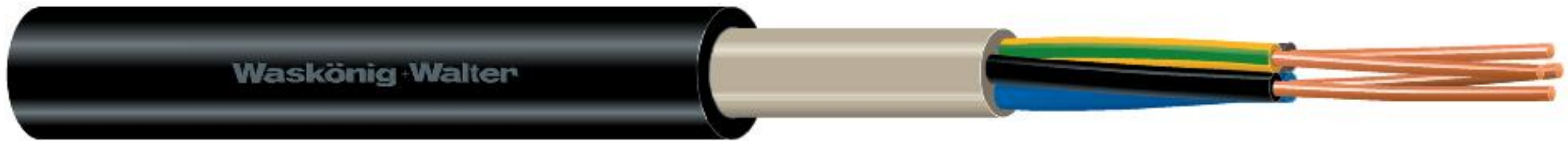


**Power cable**

**N2XH-J Eca**

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

0.6/1 kV



Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Shape of conductor	Round	
Core identification according to HD 308 S2	Yes	
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)	
Colour outer sheath	Black	

Characteristics	Properties	Unit
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)	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)	

Product										Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core identification	Kerndurchmesser	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent installation	Minimum bending radius (in x Außen-Ø)	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
1	6	Class 2 = stranded	Colour		No		12	7	91.95	Ring, Drum	Cut length					92
1	10	Class 2 = stranded	Colour		No		12	8	133.32	Ring, Drum	Cut length					133
1	16	Class 2 = stranded	Colour		No		15	9	197.43	Ring, Drum	Cut length					198
1	25	Class 2 = stranded	Colour		No		15	11	294.04	Ring, Drum	Cut length					295
1	35	Class 2 = stranded	Colour		No		15	12	387.28	Ring, Drum	Cut length					388
1	50	Class 2 = stranded	Colour		No		15	13	508.44	Ring, Drum	Cut length					509
1	70	Class 2 = stranded	Colour		No		15	15	721.26	Ring, Drum	Cut length					722

Product										Packaging						
Number of cores	Nominal cross section conductor (in mm <sup>2</sup> )	Conductor category	Core identification	Kerndurchmesser	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent installation	Minimum bending radius (in x Außen-Ø)	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
3	1.5	Class 2 = stranded	Colour		No		12	9	128.07	Ring, Drum	Cut length					129
3	2.5	Class 2 = stranded	Colour		No		12	10	166.16	Ring, Drum	Cut length					167
3	4	Class 2 = stranded	Colour		No		12	11	215.37	Ring, Drum	Cut length					216
3	6	Class 2 = stranded	Colour		No		12	12	287.4	Ring, Drum	Cut length					288
3	16	Class 2 = stranded	Colour		No		12	17	654.15	Ring, Drum	Cut length					655
4	1.5	Class 2 = stranded	Colour		No		12	10	149.43	Ring, Drum	Cut length					150
4	2.5	Class 2 = stranded	Colour		No		12	11	197.14	Ring, Drum	Cut length					198
4	2.5	Class 2 = stranded	Colour	315	No	132	12	11	197.14	Drum	1000	752	864.8	419	4,000	198
4	4	Class 2 = stranded	Colour		No		12	12	260.23	Ring, Drum	Cut length					261
4	6	Class 2 = stranded	Colour		No		12	13	357.24	Ring, Drum	Cut length					358
4	10	Class 2 = stranded	Colour		No		12	15	534.72	Ring, Drum	Cut length					535
4	16	Class 2 = stranded	Colour		No		12	19	821.86	Ring, Drum	Cut length					823
4	25	Class 2 = stranded	Colour		No		12	23	1,251.1	Ring, Drum	Cut length					1,253
4	35	Class 2 = stranded	Colour		No		12	26	1,683	Ring, Drum	Cut length					1,685
4	35	Class 2 = stranded	Colour	630	No	312	12	26	1,683	Drum	500	1,250	986.55	890	500	843
4	50	Class 2 = stranded	Colour		No		12	28	2,209.8	Ring, Drum	Cut length					2,212
4	50	Class 2 = stranded	Colour	630	No	336	12	28	2,209.8	Drum	500	1,250	1,250.1	890	500	1,106
4	70	Class 2 = stranded	Colour	630	No	408	12	34	3,159.4	Drum	250	1,250	934.63	890	250	791
4	70	Class 2 = stranded	Colour	710	No	408	12	34	3,159.4	Drum	500	1,400	1,756.25	890	500	1,581
4	95	Class 2 = stranded	Colour	630	No	456	12	38	4,252.2	Drum	250	1,250	1,207.98	890	250	1,064
4	95	Class 2 = stranded	Colour	800	No	456	12	38	4,252.2	Drum	500	1,600	2,403.95	1,100	500	2,128

Product										Packaging						
Number of cores	Nominal cross section conductor (in mm <sup>2</sup> )	Conductor category	Core identification	Kerndurchmesser	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent installation	Minimum bending radius (in x Außen-Ø)	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
4	120	Class 2 = stranded	Colour		No		12	41	5,267.9	Ring, Drum	Cut length					5,271
5	1.5	Class 2 = stranded	Colour		No		12	11	179.42	Ring, Drum	Cut length					180
5	1.5	Class 2 = stranded	Colour		No	132	12	11	179.42	Ring	100		779.56		4,200	18
5	1.5	Class 2 = stranded	Colour	315	No	132	12	11	179.42	Drum	1000	752	794.16	419	4,000	180
5	2.5	Class 2 = stranded	Colour		No		12	12	237.96	Ring, Drum	Cut length					239
5	2.5	Class 2 = stranded	Colour		No	144	12	12	237.96	Ring	100		739.11		3,000	24
5	4	Class 2 = stranded	Colour		No		12	13	316.16	Ring, Drum	Cut length					317
5	4	Class 2 = stranded	Colour	400	No	156	12	13	316.16	Drum	500	800	189.54	520	500	159
5	6	Class 2 = stranded	Colour		No		12	14	423.06	Ring, Drum	Cut length					424
5	10	Class 2 = stranded	Colour		No		12	17	640.4	Ring, Drum	Cut length					640
5	10	Class 2 = stranded	Colour	450	No	204	12	17	633.27	Drum	500	900	367.2	690	500	320
5	16	Class 2 = stranded	Colour		No		12	20	978.62	Ring, Drum	Cut length					980
5	25	Class 2 = stranded	Colour		No		12	25	1,519.7	Ring, Drum	Cut length					1,522
7	1.5	Class 1 = solid	Colours and numbers		Yes		12	12	211.78	Ring, Drum	Cut length					213
7	1.5	Class 2 = stranded	Colour	315	No	144	12	12	211.78	Drum	1000	752	923.52	419	4,000	213