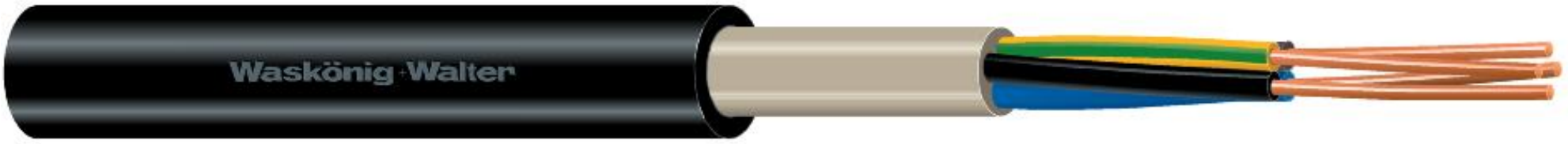
Waskönig + Walter

Power cable

N2XH-J Eca

Power cable, XLPE insulated, copper conductor, halogen-free, improved behaviourin 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	

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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)	
Minimum bending radius	12	x Außen-Ø

Product									Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core diameter	Core identification	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permane installation	Outer diameter approx. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
3	1.5	Class 2 = stranded		Colour	No		9	128.07	Ring, Drum	Cut length					129
3	2.5	Class 2 = stranded		Colour	No		10	166.16	Ring, Drum	Cut length					167
3	4	Class 2 = stranded		Colour	No		11	215.37	Ring, Drum	Cut length					216
3	16	Class 2 = stranded		Colour	No		17	654.15	Ring, Drum	Cut length					655
4	1.5	Class 2 = stranded		Colour	No		10	149.43	Ring, Drum	Cut length					150
4	2.5	Class 2 = stranded		Colour	No		11	197.14	Ring, Drum	Cut length					198

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Status: 24.11.2026
Subject to technical alterations

Product									Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core diameter	Core identification	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permane installation	Outer diameter ap prox. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
4	2.5	Class 2 = stranded	315	Colour	No	132	11	197.14	Drum	1000	864.8	419	752	4,000	198
4	4	Class 2 = stranded		Colour	No		12	260.23	Ring, Drum	Cut length					261
4	6	Class 2 = stranded		Colour	No		13	357.24	Ring, Drum	Cut length					358
4	10	Class 2 = stranded		Colour	No		15	534.72	Ring, Drum	Cut length					535
4	25	Class 2 = stranded		Colour	No		23	1,251.1	Ring, Drum	Cut length					1,253
4	35	Class 2 = stranded		Colour	No		26	1,683	Ring, Drum	Cut length					1,685
4	50	Class 2 = stranded		Colour	No		28	2,209.8	Ring, Drum	Cut length					2,212
4	120	Class 2 = stranded		Colour	No		41	5,267.9	Ring, Drum	Cut length					5,272
5	1.5	Class 2 = stranded		Colour	No		11	179.42	Ring, Drum	Cut length					180
5	1.5	Class 2 = stranded	200	Colour	No	132	11	179.42	Ring	100	779.56	130	400	4,200	18
5	1.5	Class 2 = stranded	315	Colour	No	132	11	179.42	Drum	1000	794.16	419	752	4,000	180
5	2.5	Class 2 = stranded		Colour	No		12	237.96	Ring, Drum	Cut length					239
5	4	Class 2 = stranded		Colour	No		13	316.16	Ring, Drum	Cut length					317
5	6	Class 2 = stranded		Colour	No		14	423.06	Ring, Drum	Cut length					424
5	10	Class 2 = stranded		Colour	No		17	640.4	Ring, Drum	Cut length					640
5	16	Class 2 = stranded		Colour	No		20	978.62	Ring, Drum	Cut length					980
5	25	Class 2 = stranded		Colour	No		25	1,519.7	Ring, Drum	Cut length					1,522
7	1.5	Class 1 = solid		Colours and numbers	Yes		12	211.78	Ring, Drum	Cut length					213
7	1.5	Class 2 = stranded	315	Colour	No	144	12	211.78	Drum	1000	923.52	419	752	4,000	213

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