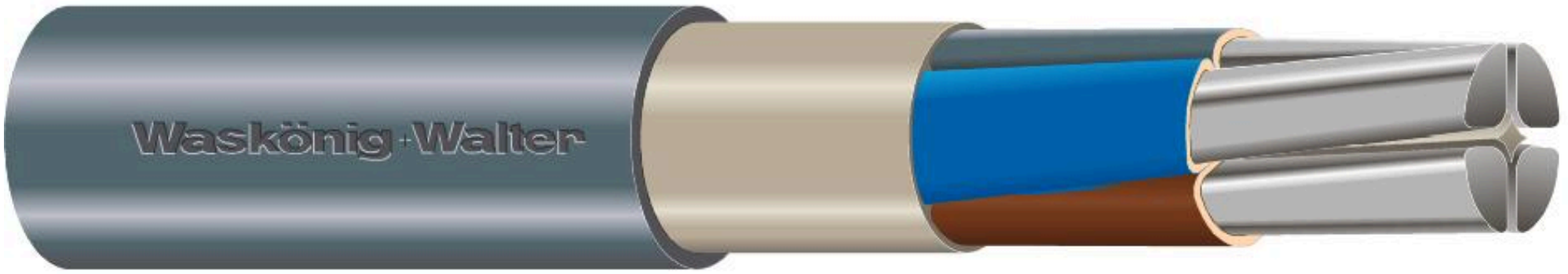
Power cable

N1XZ1-AL

Power cable, XLPE insulated, flexible copper conductor, halogen free, flame retardant

0.6/1 kV



based upon VDE0276-604.. For fixed installation indoors, in air and in concrete. These cables are also suitable for outdoor use, provided they are protected from direct sunlight. Laying in the ground or in water is not permitted.

Characteristics	Properties	Unit
Conductor material	Aluminium	
Conductor surface	Bare	
Nominal cross section conductor	16	mm^2
Conductor category	Class 1 = solid	
Shape of conductor	Round	
Number of cores	4	
Core identification according to HD 308 S2	Yes	
Core identification	Colour	
Laminated sheath	No	

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Characteristics	Properties	Unit
Fibre optic elements	No	
Protective conductor	No	
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	Grey	
Conductive coating	No	
Longitudinal water blocking conductors	Yes	
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 60332-1-2	
Low smoke (acc. EN 61034-2)	Yes	
Outer diameter approx.	19	mm
Weight	451.97	kg/km
Max. conductor temperature	90	°C
Permitted cable outer temperature during assembling/handling	-5 <=> 70	°C
Permitted cable outer temperature after assembling without vibration	-40 <=> 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

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Characteristics	Properties	Unit
pallet unit	1,000	m
Outer diameter	700	mm
Core diameter	325	mm
Height	576	mm
Bruttogewicht pro Paletteinheit	554.77	kg

Packing	Individual length (in m)	Net weight (in kg)
Ring, Drum	Cut length	452
Drum	250	113

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