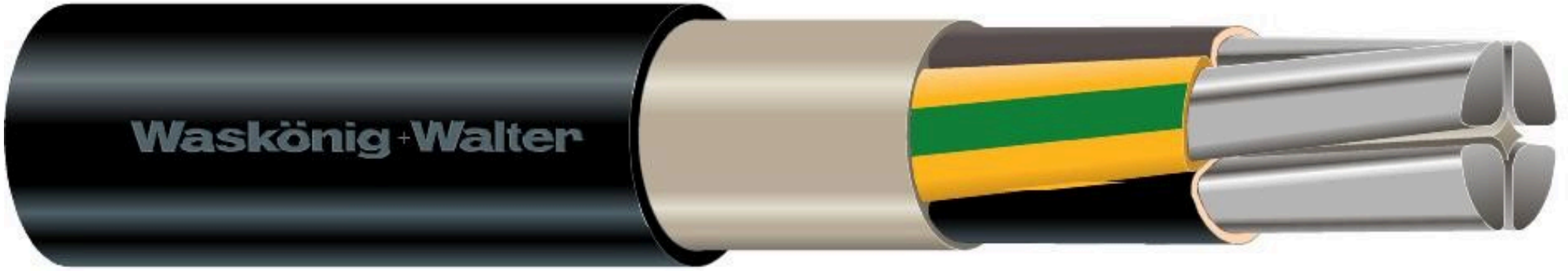
Power cable

NAYY-J

Power cable, PVC insulated, aluminium conductor

0.6/1 kV



According to VDE 0276 part 603. For fixed installation indoors, outdoors, in soil, in water and in concrete.

Characteristics	Properties	Unit
Conductor material	Aluminium	
Conductor surface	Bare	
Conductor category	Class 1 = solid	
Number of cores	4	
Core identification according to HD 308 S2	Yes	
Core identification	Colour	
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	Yes	
Inner semi-conducting layer	No	

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Characteristics	Properties	Unit
Outer semi-conducting layer	No	
Screen	No	
Concentric conductor	None	
Armouring	No	
Material outer sheath	Polyvinyl chloride (PVC)	
Specification material outer sheath	Other	
Colour outer sheath	Black	
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
max. short circuit temperature	160	°C
Insulation	PVC	
Minimum bending radius	15	x Außen-Ø

Product					Packaging		
Nominal cross section conductor (in mm^2)	Min. permitted bending radius, stationary application/permanent installation (in mm)	Outer diameter approx. (in mm)	Shape of conductor	Weight (in kg/km)	Packing	Individual length (in m)	Net weight (in kg)
35	324	27	Round	1,063.1	Ring, Drum	Cut length	1,063

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Product					Packaging		
Nominal cross section conductor (in mm²)	Min. permitted bending radius, stationary application/permanent installation (in mm)	Outer diameter approx. (in mm)	Shape of conductor	Weight (in kg/km)	Packing	Individual length (in m)	Net weight (in kg)
50	336	28	Sector-shaped	1,168.5	Ring, Drum	Cut length	1,169
70	384	32	Sector-shaped	1,575.4	Ring, Drum	Cut length	1,575
95	444	37	Sector-shaped	2,017.8	Ring, Drum	Cut length	2,018
150	516	43	Sector-shaped	2,847.7	Ring, Drum	Cut length	2,848
185	576	48	Sector-shaped	3,562.1	Ring, Drum	Cut length	3,562
240	648	54	Sector-shaped	4,469	Ring, Drum	Cut length	4,594

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