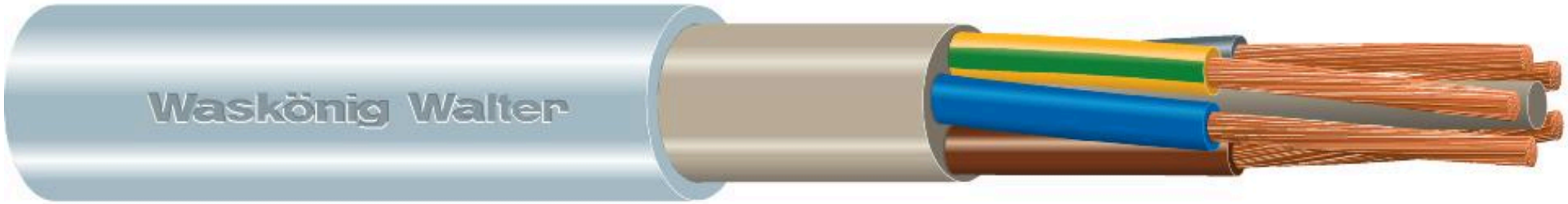
Waskönig + Walter

Power cable

ECO-FLEX Dca

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

0.6/1 kV



Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Conductor category	Class 5 = flexible	
Shape of conductor	Round	
Core identification according to HD 308 S2	Yes	
Core identification	Colour	
Laminated sheath	No	
Fibre optic elements	No	
Inner semi-conducting layer	No	
Outer semi-conducting layer	No	
Screen	No	
Concentric conductor	None	
Armouring	No	

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Characteristics	Properties	Unit
Material outer sheath	Polyolefin	
Specification material outer sheath	Polyethylene (PE)	
Colour outer sheath	Grey	
Conductive coating	No	
Longitudinal water blocking conductors	No	
Longitudinal water blocking screen	No	
Reaction-to-fire according to EN 13501-6: Class	Dca	
Reaction-to-fire according to EN 13501-6: Smoke production	s2	
Reaction-to-fire according to EN 13501-6: Flaming droplets/particles	d2	
Reaction-to-fire according to EN 13501-6: Acidity	a1	
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
Nominal voltage U0	0.6	kV
Nominal voltage U	1	kV
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	
Minimum bending radius	5	x Außen-Ø

Product					Packaging		
Number of cores	Nominal cross section conductor (in mm²)	Outer diameter approx. (in mm)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Net weight (in kg)
4	50	33	No	2,435.6	Ring, Drum	Cut length	2,407
5	6	17	Yes	487.27	Ring, Drum	Cut length	480
5	10	19	Yes	719.6	Ring, Drum	Cut length	710
5	16	22	Yes	1,056.9	Ring, Drum	Cut length	1,021
5	25	29	No	1,602.7	Ring, Drum	Cut length	1,584

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5	25	29	Yes	1,602.7	Ring, Drum	Cut length	1,583
5	35	30	Yes	2,157.5	Ring, Drum	Cut length	2,102
5	50	37	Yes	2,903	Ring, Drum	Cut length	2,901
5	70	43	Yes	3,921.13	Ring, Drum	Cut length	3,918
5	95	47	Yes	5,037	Ring, Drum	Cut length	5,034

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