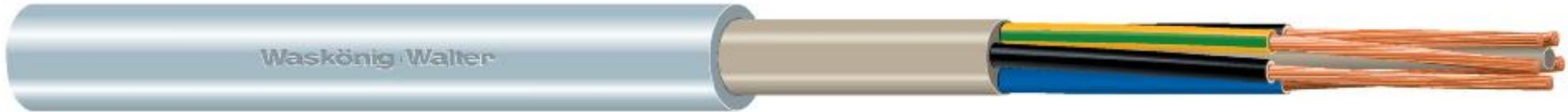


Power cable

DK05 Basic

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

300/500 V



based upon VDE0250-214 but with reduced wallthicknesses.. Used in low voltage installations, for indoor use in visible and hidden installation, and in the open, shielded from direct sunlight. Suitable for laying in the ground. May be bricked in and embedded directly. Not suitable for embedment in vibrated concrete. The installation must be carried out properly and by qualified persons and using suitable materials.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor category	Class 1 = solid	
Core insulation material	Polyolefin	
Core identification according to HD 308 S2	Yes	
Protective conductor	Yes	
Max. conductor temperature	90	°C
Screen	No	
Armouring/reinforcement	None	
Material outer sheath	Polyolefin	
Colour outer sheath	Grey	
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	

Characteristics	Properties	Unit
Low smoke (acc. EN 61034-2)	Yes	
Permitted cable outer temperature during assembling/handling	5 <=> 70	°C
Permitted cable outer temperature after assembling without vibration	-20 <=> 70	°C
Nominal voltage U0	300	V
Nominal voltage U	500	V
Shape of conductor	Round	
Suitable as installation cable	Yes	
Certified for shipboard application	No	
Suitable as medium-voltage cable	No	
Suitable as high-voltage cable	No	
Certified as airport lighting cable	No	
Minimum bending radius	12	x Außen-Ø
max. short circuit temperature	250	°C

Product								Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor Diameter (in mm)	Conductor resistance at 20 °C (in EU571143)	Core colour	Kerndurchmesser (in mm)	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser (in mm)	Bruttogewicht pro Paletteinheit (in kg)	Höhe (in mm)	Paletteinheit (in m)	Net weight (in kg)
1	2.5	2.5	7.41	Green/yellow		5	36.87	Ring	100		465.24		12,000	4
3	1.5	1.5	12.1		200	7	79.72	Ring	100	360	788.11	54	9,600	8
3	2.5	2.5	7.41			8	112.5	Ring	100		900.3		7,800	11
3	2.5	2.5	7.41		202	7	112.5	Drum	500	480	375.426	440	3,000	56
5	1.5	1.5	12.1			9	168.53	Ring, Drum	Cut length					169
5	1.5	1.5	12.1		200	10	168.53	Ring	100	400	932.86	100	5,400	17

Product								Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor Diameter (in mm)	Conductor resistance at 20 °C (in EU571143)	Core colour	Kerndurchmesser (in mm)	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser (in mm)	Bruttogewicht pro Paletteinheit (in kg)	Höhe (in mm)	Paletteinheit (in m)	Net weight (in kg)
5	1.5	1.5	12.1		250	9	168.53	Drum	500	600	359.86	440	2,000	84
7	1.5	1.5	12.1			9	146.99	Ring, Drum	Cut length					147
7	1.5	1.5	12.1		200	8	146.99	Ring	100	390	816.55	85	5,400	15