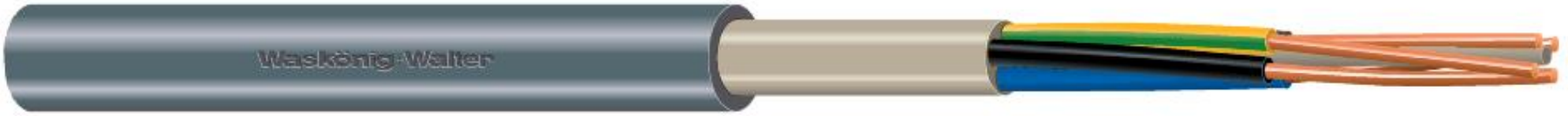
Waskönig + Walter

Power cable

YMvK Dca

Power cable, XLPE insulated, copper conductor, improved behavior in case of fire

0.6/1 kV



according HD 604 4D.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Shape of conductor	Round	
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	
Material outer sheath	Polyvinyl chloride (PVC)	
Specification material outer sheath	Other	
Colour outer sheath	Grey	

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Characteristics	Properties	Unit
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	a3	
Halogen free (acc. EN 60754-1/2)	No	
Flame retardant	In accordance with IEC/EN 60332-3-24	
Low smoke (acc. EN 61034-2)	No	
Max. conductor temperature	90	°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	250	°C
Insulation	XLPE (VPE)	
Cable geometry		
Suitable as installation cable		
Certified for shipboard application		
Suitable as medium-voltage cable		
Suitable as high-voltage cable		
Certified as airport lighting cable		

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Product										Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core identification according to HD 308 S2	Kerndurchmesser (in mm)	Min. permitted bending radius, stationary application/permaner installation (in mm)	Minimum bending radius (in x Außen-Ø)	Outer diameter approx. (in mm)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser (in mm)	Bruttogewicht pro Paletteinheit (in kg)	Höhe (in mm)	Paletteinheit (in m)	Net weight (in kg)
2	1.5	Class 1 = solid		200	100	10	10	No	131.36	Ring	100	400	574.51	110	4,200	13
2	1.5	Class 1 = solid		150	100	10	10	No	131.36	Drum	500	500	714.6	419	5,000	66
2	2.5	Class 1 = solid		200	110	10	11	No	162.54	Ring	100	390	607.94	122	3,600	16
2	2.5	Class 1 = solid		260	110	10	11	No	162.54	Drum	500	600	365.48	419	2,000	81
2	4	Class 1 = solid				12	12	No	206.94	Ring, Drum	Cut length					207
2	6	Class 1 = solid				15	13	No	261.54	Ring, Drum	Cut length					262
3	1.5	Class 1 = solid			100	10	10	Yes	148.2	Ring, Drum	Cut length					148
3	1.5	Class 1 = solid	No	200	100	10	10	Yes	148.2	Ring	25	330	356.25	47	2,250	4
3	1.5	Class 1 = solid		200	100	10	10	Yes	148.2	Ring	100	390	645.24	114	4,200	15
3	1.5	Class 1 = solid		150	100	10	10	Yes	148.2	Drum	500	500	798.8	419	5,000	74
3	2.5	Class 1 = solid				10	11	Yes	187.55	Ring, Drum	Cut length					188
3	2.5	Class 1 = solid		200		10	11	Yes	187.55	Ring	50	390	641.72	67	3,300	9
3	2.5	Class 1 = solid		200	110	10	11	Yes	187.55	Ring	100	390	585.45	133	3,000	19
3	2.5	Class 1 = solid		260	110	10	11	Yes	187.55	Drum	500	600	415.5	419	2,000	94
3	2.5	Class 1 = solid		315		10	11	Yes	187.55	Drum	1000	752	823.64	419	4,000	188
3	4	Class 1 = solid				10	12	Yes	244.33	Ring, Drum	Cut length					244
3	4	Class 1 = solid		200		10	12	Yes	244.33	Ring	100	390	755.79	158	3,000	24
3	4	Class 1 = solid		260		10	12	Yes	244.33	Drum	500	600	529.06	419	2,000	122
3	6	Class 1 = solid				12	13	Yes	315.1	Ring, Drum	Cut length					315
3	6	Class 1 = solid		200		12	13	Yes	315.1	Ring	100	430	526.96	145	1,600	32
3	6	Class 1 = solid		315		12	13	Yes	315.1	Drum	500	752	703.64	419	2,000	158

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4	1.5	Class 1 = solid		200	110	10	11	Yes	172.3	Ring	100	390	537.45	130	3,000	17
4	1.5	Class 1 = solid		260	110	10	11	Yes	172.3	Drum	500	600	383.5	419	2,000	86
4	2.5	Class 1 = solid			120	10	12	Yes	221.78	Ring, Drum	Cut length					221
4	2.5	Class 1 = solid				12	12	Yes	221.78	Ring, Drum	Cut length					222
4	2.5	Class 1 = solid		200	120	10	12	Yes	221.78	Ring	100	400	552.17	150	2,400	22
4	2.5	Class 1 = solid		260	120	10	12	Yes	221.78	Drum	500	600	481.54	419	2,000	110
4	4	Class 1 = solid			130	10	13	Yes	293.59	Ring, Drum	Cut length					292
4	4	Class 1 = solid		200	130	10	13	Yes	293.59	Ring	50	390	723.22	92	2,400	15
4	4	Class 1 = solid			130	10	13	Yes	293.59	Ring	100		606.48		2,000	29
4	4	Class 1 = solid		200	156	12	13	Yes	293.57	Ring	100	430	609.94	140	2,000	29
4	4	Class 1 = solid		315	156	12	13	Yes	293.57	Drum	500	752	660.58	419	2,000	147
4	4	Class 1 = solid		315	130	10	13	Yes	293.59	Drum	500	752	657.12	419	2,000	146
4	6	Class 1 = solid			168	12	14	Yes	383.38	Ring, Drum	Cut length					383
4	6	Class 1 = solid			140	10	14	Yes	383.38	Ring, Drum	Cut length					383
4	6	Class 1 = solid		300	140	10	14	Yes	383.38	Ring	50	430	482.86	129	1,200	19
4	6	Class 1 = solid		300	140	10	14	Yes	383.38	Ring	100	590	636.21	95	1,600	38
4	6	Class 1 = solid		315		12	14	No	383.38	Drum	500	752	840.2	419	2,000	192
4	10	Class 2 = stranded				10	17	Yes	582.03	Ring, Drum	Cut length					582
4	10	Class 2 = stranded				12	17	Yes	583.18	Ring, Drum	Cut length					582
4	10	Class 2 = stranded				10	17	Yes	582.03	Ring, Drum	Cut length					582
4	16	Class 2 = stranded			228	12	19	Yes	840.73	Ring, Drum	Cut length					841

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4	16	Class 2 = stranded			190	10	19	Yes	840.73	Ring, Drum	Cut length					841
4	16	Class 2 = stranded		300	190	10	19	Yes	840.73	Ring	50	590	779.46	88	900	42
5	1.5	Class 1 = solid		200	120	10	12	Yes	199.7	Ring	100	390	621.9	149	3,000	20
5	1.5	Class 1 = solid		260	120	10	12	Yes	199.7	Drum	500	600	439.8	419	2,000	100
5	2.5	Class 1 = solid	Yes		130	10	13	Yes	255.5	Ring, Drum	Cut length					256
5	2.5	Class 1 = solid	Yes	400	130	10	13	Yes	259.52	Ring	50	200	789.3	83	3,000	13
5	2.5	Class 1 = solid		200		10	13	Yes	259.52	Ring	100	430	636	137	2,400	26
5	2.5	Class 1 = solid		260		10	13	Yes	259.52	Drum	500	600	551.4	419	2,000	128
5	4	Class 1 = solid			140	10	14	Yes	347.66	Ring, Drum	Cut length					342
5	4	Class 1 = solid		200	140	10	14	Yes	347.66	Ring	50	400	842.83	100	2,400	17
5	4	Class 1 = solid		300	140	10	14	Yes	347.66	Ring	100	590	569.49	93	1,600	34
5	4	Class 1 = solid	Yes	315	140	10	14	Yes	347.66	Drum	500	752	756.8	419	2,000	171
5	6	Class 1 = solid			150	10	15	Yes	456.94	Ring	50		472.63		1,000	22
5	6	Class 1 = solid		300	150	10	15	Yes	456.94	Ring	100	590	652.56	111	1,400	45
5	6	Class 1 = solid		315	150	10	15	Yes	456.94	Drum	500	752	973.1	419	2,000	225
5	10	Class 2 = stranded				10	18	Yes	700.29	Ring, Drum	Cut length					700
5	10	Class 2 = stranded				10	18	Yes	700.29	Ring, Drum	Cut length					700
5	10	Class 2 = stranded		315		10	18	Yes	700.29	Drum	100	752	353.56	419	400	70
5	10	Class 2 = stranded		450		10	18	Yes	700.29	Drum	500	900	398.15	695	500	350
5	16	Class 2 = stranded			210	10	21	Yes	1,020	Ring, Drum	Cut length					1,020
5	16	Class 2 = stranded		500	210	10	21	Yes	1,020	Drum	500	1,000	578	705	500	510

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