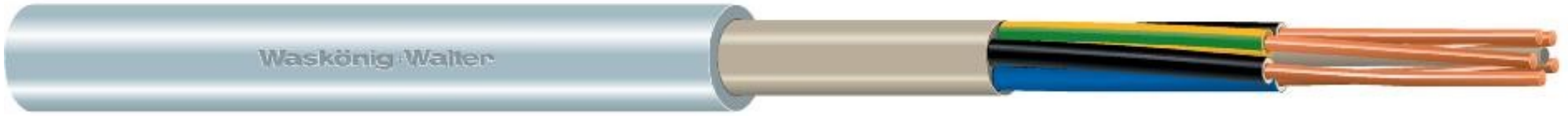
Waskönig + Walter

Power cable

N1XZ1 Dca

Power cable, XLPE insulated, copper conductor, halogen free

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	Copper	
Conductor surface	Bare	
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	
Material outer sheath	Polyolefin	
Specification material outer sheath	Polyethylene (PE)	

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Characteristics	Properties	Unit
Colour outer sheath	Grey	
Conductive coating	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
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	8	x Außen-Ø

Product								Packaging						
Number of cores (in Stck)	Nominal cross section conductor (in mm²)	Conductor category	Kerndurchmesser	Longitudinal water blocking conductors	Outer diameter approx. (in mm)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
1	10	Class 2 = stranded		No	9	Yes	149.66	Ring, Drum	Cut length					150

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1	16	Class 2 = stranded	200	No	10	Yes	214.95	Ring	100	400	1,054.56	99	4,800	22
3	1.5	Class 1 = solid		Yes	7	Yes	78.26	Ring, Drum	Cut length					78
3	1.5	Class 1 = solid			7	Yes	78.64	Ring, Drum	Cut length					79
3	1.5	Class 1 = solid		Yes	7	Yes	78.64	Ring, Drum	Cut length					79
3	1.5	Class 1 = solid	200		7	Yes	78.26	Ring	50	310	351.49	52	4,200	4
3	1.5	Class 1 = solid	200		7	Yes	78.26	Ring	100	390	633.23	52	7,800	8
3	1.5	Class 1 = solid	200	Yes	7	Yes	78.64	Ring	100	390	447.46	52	5,400	8
3	1.5	Class 1 = solid	150	Yes	7	Yes	78.64	Drum	300	410	343.1	419	3,600	24
3	1.5	Class 1 = solid	202		7	Yes	78.26	Drum	500	400	522.612	440	6,000	39
3	1.5	Class 1 = solid	150	Yes	7	Yes	78.64	Drum	500	410	531.84	419	6,000	39
3	1.5	Class 1 = solid	150		7	Yes	78.64	Drum	1000	450	1,006.08	419	12,000	79
3	2.5	Class 1 = solid	200		8	Yes	112.64	Ring	100	390	495.89	69	4,200	11
3	2.5	Class 1 = solid	200	Yes	8	Yes	113.07	Ring	100	390	701.22	69	6,000	11
3	2.5	Class 1 = solid	202	Yes	8	Yes	112.64	Drum	500	480	375.846	440	3,000	56
3	2.5	Class 1 = solid	150	Yes	8	Yes	113.07	Drum	500	410	738.42	419	6,000	57
4	1.5	Class 1 = solid		Yes	8	Yes	96.2	Ring, Drum	Cut length					96
4	1.5	Class 1 = solid		Yes	8	Yes	96.2	Ring, Drum	Cut length					96
4	1.5	Class 1 = solid	200		8	Yes	96.2	Ring	100	390	714.36	62	7,200	10
4	1.5	Class 1 = solid	150	No	8	Yes	96.05	Drum	300	410	405.78	419	3,600	29
4	2.5	Class 1 = solid		Yes	9	Yes	140.14	Ring, Drum	Cut length					140
4	6	Class 2 = stranded			12	No	308.12	Ring, Drum	Cut length					309

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Number of cores (in Stck)	Nominal cross section conductor (in mm²)	Conductor category	Kerndurchmesser	Longitudinal water blocking conductors	Outer diameter approx. (in mm)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
4	6	Class 2 = stranded	202	No	12	No	308.12	Drum	250	480	500.916	440	1,500	77
4	10	Class 2 = stranded		No	16	No	567.72	Ring, Drum	Cut length					562
4	10	Class 2 = stranded	325		16	No	567.72	Drum	250	700	664.94	576	1,000	141
4	16	Class 2 = stranded		No	18	No	834.86	Ring, Drum	Cut length					767
5	1.5	Class 1 = solid		Yes	9	Yes	117.12	Ring, Drum	Cut length					117
5	1.5	Class 1 = solid			9	Yes	117.68	Ring, Drum	Cut length					118
5	1.5	Class 1 = solid	200		9	Yes	117.12	Ring	50	350	514.7	52	4,200	6
5	1.5	Class 1 = solid	200		9	Yes	117.12	Ring	100	390	866.06	76	7,200	12
5	1.5	Class 1 = solid	200	Yes	9	Yes	117.68	Ring	100	390	870.1	76	7,200	12
5	1.5	Class 1 = solid	150	Yes	9	Yes	117.68	Drum	300	410	483.65	419	3,600	35
5	1.5	Class 1 = solid	202		9	Yes	117.12	Drum	500	480	389.286	440	3,000	59
5	1.5	Class 1 = solid	150	Yes	9	Yes	117.68	Drum	500	450	768.48	419	6,000	59
5	1.5	Class 1 = solid	150	Yes	9	Yes	117.68	Drum	500	500	375.84	444	3,000	59
5	1.5	Class 1 = solid	260	Yes	9	Yes	117.68	Drum	1000	600	511.12	419	4,000	118
5	1.5	Class 1 = solid	710	Yes	9	Yes	117.68	Drum	7500	1,400	1,057.6	890	7,500	883
5	2.5	Class 1 = solid		Yes	10	Yes	174.67	Ring, Drum	Cut length					174
5	2.5	Class 1 = solid	200		10	Yes	174.03	Ring	50	390	753.73	52	4,200	9
5	2.5	Class 1 = solid	200	Yes	10	Yes	174.03	Ring	100	390	753.73	104	4,200	17
5	2.5	Class 1 = solid	200	Yes	10	Yes	174.67	Ring	100	390	545.91	104	3,000	17
5	2.5	Class 1 = solid	260		10	Yes	174.67	Drum	500	600	389.14	419	2,000	87
5	2.5	Class 1 = solid	250		10	Yes	174.03	Drum	500	600	370.86	440	2,000	87

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5	4	Class 1 = solid		Yes	11	Yes	252.79	Ring, Drum	Cut length					253
5	4	Class 1 = solid		Yes	11	Yes	253.21	Ring, Drum	Cut length					253
5	4	Class 1 = solid	200	Yes	11	Yes	253.21	Ring	100	390	934.36	133	3,600	25
5	4	Class 1 = solid	202	Yes	11	Yes	252.79	Drum	200	480	341.276	440	1,200	51
5	4	Class 1 = solid	325		11	Yes	252.79	Drum	500	700	608.38	576	2,000	126
5	6	Class 1 = solid		Yes	13	Yes	362.16	Ring, Drum	Cut length					362
5	6	Class 2 = stranded		No	14	Yes	375.42	Ring, Drum	Cut length					375
5	6	Class 1 = solid	200		13	Yes	362.16	Ring	50	390	892.37	90	2,400	18
5	6	Class 1 = solid	200		13	Yes	362.16	Ring	100	430	892.37	139	2,400	36
5	6	Class 2 = stranded	202		14	Yes	375.42	Drum	250	480	601.056	440	1,500	94
5	6	Class 2 = stranded	325		14	Yes	375.42	Drum	500	700	853.64	576	2,000	188
5	6	Class 2 = stranded	630	No	14	Yes	375.42	Drum	2500	1,250	1,018.55	880	2,500	939
5	10	Class 2 = stranded		No	17	Yes	623.8	Ring, Drum	Cut length					624
5	10	Class 2 = stranded		No	17	Yes	624.69	Ring, Drum	Cut length					625
5	10	Class 2 = stranded		No	17	Yes	623.8	Drum	250		155.95		250	156
5	10	Class 2 = stranded	630	No	17	Yes	623.8	Drum	1500	1,250	1,015.7	880	1,500	936
5	16	Class 2 = stranded		No	20	Yes	932.24	Ring, Drum	Cut length					932
5	16	Class 2 = stranded		No	20	Yes	931.92	Ring, Drum	Cut length					932
5	16	Class 2 = stranded		No	20	Yes	932.24	Ring, Drum	Cut length					932
5	16	Class 2 = stranded		No	20	Yes	932.24	Drum	250		233.06		250	233
6	1.5	Class 1 = solid		Yes	10	Yes	156.52	Ring, Drum	Cut length					157

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6	1.5	Class 1 = solid		Yes	10	Yes	157.24	Ring, Drum	Cut length					157
6	1.5	Class 1 = solid		Yes	10	Yes	156.52	Ring, Drum	Cut length					157
6	1.5	Class 1 = solid			10	Yes	156.52	Ring	100		680.18		4,200	16
7	1.5	Class 1 = solid		Yes	10	Yes	167.32	Ring, Drum	Cut length					167
7	1.5	Class 1 = solid		Yes	10	Yes	167.73	Ring, Drum	Cut length					168
7	1.5	Class 1 = solid		Yes	10	No	167.73	Ring, Drum	Cut length					168
7	1.5	Class 1 = solid	200		10	Yes	167.73	Ring	100	390	727.27	111	4,200	17
7	2.5	Class 1 = solid		Yes	12	Yes	240.57	Ring, Drum	Cut length					241
7	2.5	Class 1 = solid		Yes	12	Yes	240.4	Ring, Drum	Cut length					240
8	1.5	Class 1 = solid		Yes	11	Yes	189.08	Ring, Drum	Cut length					189
8	1.5	Class 1 = solid		Yes	11	Yes	189.08	Ring, Drum	Cut length					189
8	1.5	Class 1 = solid	200		11	Yes	189.08	Ring	100	390	703.49	128	3,600	19
10	1.5	Class 1 = solid		Yes	12	Yes	232.78	Ring, Drum	Cut length					233
10	1.5	Class 1 = solid	200		12	Yes	233.35	Ring	100	430	582.84	126	2,400	23
10	1.5	Class 1 = solid	200		12	Yes	233.35	Ring	100	430	582.84	126	2,400	23

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