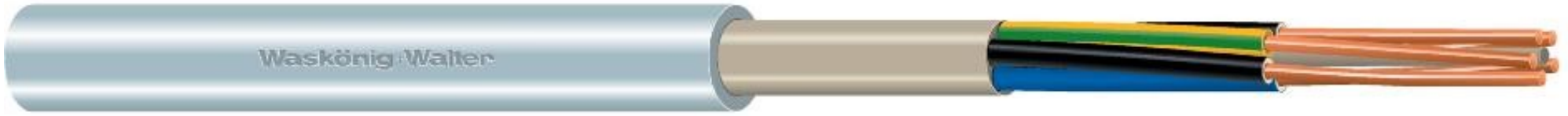
Waskönig + Walter

Power cable

N1XZ1 Dca

Power cable, XLPE insulated, copper conductor, halogen free

0.6/1 kV



based upon VDE0276-604 but with reduced wallthicknesses.. 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	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					158

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1	16	Class 2 = stranded	200	No	10	Yes	214.95	Ring	100	400	1,099.3	99	4,800	22
3	1.5	Class 1 = solid		Yes	7	Yes	78.26	Ring, Drum	Cut length					85
3	1.5	Class 1 = solid			7	Yes	78.64	Ring, Drum	Cut length					85
3	1.5	Class 1 = solid			7	Yes	78.26	Ring	50		380.93		4,200	4
3	1.5	Class 1 = solid	200		7	Yes	78.26	Ring	100	390	687.91	52	7,800	9
3	1.5	Class 1 = solid	200	Yes	7	Yes	78.64	Ring	100	390	687.91	52	7,800	9
3	1.5	Class 1 = solid	150	Yes	7	Yes	78.64	Drum	300	410	366.97	419	3,600	26
3	1.5	Class 1 = solid	202		7	Yes	78.26	Drum	500	400	564.672	440	6,000	43
3	1.5	Class 1 = solid	150	Yes	7	Yes	78.64	Drum	500	410	571.62	419	6,000	43
3	1.5	Class 1 = solid	150		7	Yes	78.64	Drum	1000	450	1,085.64	419	12,000	85
3	2.5	Class 1 = solid	200		9	Yes	112.64	Ring	100	390	529.66	69	4,200	12
3	2.5	Class 1 = solid	200	Yes	8	Yes	113.07	Ring	100	390	746.88	69	6,000	12
3	2.5	Class 1 = solid	202	Yes	8	Yes	112.64	Drum	500	480	399.966	440	3,000	60
3	2.5	Class 1 = solid	150	Yes	8	Yes	113.07	Drum	500	410	784.08	419	6,000	60
4	1.5	Class 1 = solid		Yes	8	Yes	96.2	Ring, Drum	Cut length					103
4	1.5	Class 1 = solid	200		8	Yes	96.2	Ring	100	390	767.5	62	7,200	10
4	1.5	Class 1 = solid	150	No	8	Yes	96.05	Drum	300	410	432.35	419	3,600	31
4	6	Class 2 = stranded			13	No	308.12	Ring, Drum	Cut length					320
4	6	Class 2 = stranded	202	No	12	No	308.12	Drum	250	480	518.216	440	1,500	80
4	10	Class 2 = stranded		No	17	No	567.72	Ring, Drum	Cut length					577
4	10	Class 2 = stranded	325		16	No	567.72	Drum	250	700	680.14	576	1,000	144

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Number of cores	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	16	Class 2 = stranded		No	19	No	834.86	Ring, Drum	Cut length					784
5	1.5	Class 1 = solid		Yes	9	Yes	117.12	Ring, Drum	Cut length					125
5	1.5	Class 1 = solid			9	Yes	117.12	Ring	50		549.31		4,200	6
5	1.5	Class 1 = solid	200		9	Yes	117.12	Ring	100	390	925.39	76	7,200	13
5	1.5	Class 1 = solid	200	Yes	9	Yes	117.68	Ring	100	390	925.39	76	7,200	13
5	1.5	Class 1 = solid	150	Yes	9	Yes	117.68	Drum	300	410	511.3	419	3,600	38
5	1.5	Class 1 = solid	202		9	Yes	117.12	Drum	500	480	414.006	440	3,000	63
5	1.5	Class 1 = solid	150	Yes	9	Yes	117.68	Drum	500	450	814.56	419	6,000	63
5	1.5	Class 1 = solid	260	Yes	9	Yes	117.68	Drum	1000	600	541.84	419	4,000	125
5	1.5	Class 1 = solid	710	Yes	9	Yes	117.68	Drum	7500	1,400	1,115.2	890	7,500	940
5	2.5	Class 1 = solid		Yes	10	Yes	174.67	Ring, Drum	Cut length					184
5	2.5	Class 1 = solid			10	Yes	174.03	Ring	50		794.13		4,200	9
5	2.5	Class 1 = solid	200	Yes	10	Yes	174.03	Ring	100	390	794.13	104	4,200	18
5	2.5	Class 1 = solid	200	Yes	10	Yes	174.67	Ring	100	390	794.13	104	4,200	18
5	2.5	Class 1 = solid	260		10	Yes	174.67	Drum	500	600	407.7	419	2,000	92
5	2.5	Class 1 = solid	250		10	Yes	174.03	Drum	500	600	390.1	440	2,000	92
5	4	Class 1 = solid		Yes	11	Yes	252.79	Ring, Drum	Cut length					264
5	4	Class 1 = solid		Yes	12	Yes	253.21	Ring, Drum	Cut length					264
5	4	Class 1 = solid	200	Yes	11	Yes	253.21	Ring	100	390	971.98	133	3,600	26
5	4	Class 1 = solid	202	Yes	11	Yes	252.79	Drum	200	480	354.316	440	1,200	53
5	4	Class 1 = solid	325		11	Yes	252.79	Drum	500	700	630.12	576	2,000	132

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Status: 14.05.2026
Subject to technical alterations

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Product								Packaging						
Number of cores	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)
5	6	Class 1 = solid		Yes	13	Yes	362.16	Ring, Drum	Cut length					374
5	6	Class 2 = stranded		No	14	Yes	375.42	Ring, Drum	Cut length					388
5	6	Class 1 = solid	200		13	Yes	362.16	Ring	50	390	921.34	90	2,400	19
5	6	Class 1 = solid	200		13	Yes	362.16	Ring	100	430	921.34	139	2,400	37
5	6	Class 2 = stranded	202		14	Yes	375.42	Drum	250	480	619.986	440	1,500	97
5	6	Class 2 = stranded	325		14	Yes	375.42	Drum	500	700	878.88	576	2,000	194
5	6	Class 2 = stranded	630	No	14	Yes	375.42	Drum	2500	1,250	1,050.1	880	2,500	970
5	10	Class 2 = stranded		No	18	Yes	623.8	Ring, Drum	Cut length					641
5	10	Class 2 = stranded		No	18	Yes	624.69	Ring, Drum	Cut length					641
5	10	Class 2 = stranded	450	No	17	Yes	623.8	Drum	250	900	208.15	695	250	160
5	10	Class 2 = stranded	630	No	17	Yes	623.8	Drum	1500	1,250	1,040.9	880	1,500	961
5	16	Class 2 = stranded		No	20	Yes	932.24	Ring, Drum	Cut length					950
5	16	Class 2 = stranded		No	20	Yes	931.92	Ring, Drum	Cut length					950
5	16	Class 2 = stranded		No	20	Yes	932.24	Ring, Drum	Cut length					950
5	16	Class 2 = stranded		No	20	Yes	932.24	Ring, Drum	Cut length					950
6	1.5	Class 1 = solid		Yes	11	Yes	156.52	Ring, Drum	Cut length					167
6	1.5	Class 1 = solid			10	Yes	156.52	Ring	100		722.27		4,200	17
7	1.5	Class 1 = solid		Yes	11	Yes	167.73	Ring, Drum	Cut length					177
7	1.5	Class 1 = solid		Yes	11	No	167.73	Ring, Drum	Cut length					177
7	1.5	Class 1 = solid	200		10	Yes	167.73	Ring	100	390	767.42	111	4,200	18
7	2.5	Class 1 = solid		Yes	12	Yes	240.4	Ring, Drum	Cut length					252

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8	1.5	Class 1 = solid		Yes	11	Yes	189.08	Ring, Drum	Cut length					199
8	1.5	Class 1 = solid		Yes	11	Yes	189.08	Ring, Drum	Cut length					199
8	1.5	Class 1 = solid	200		11	Yes	189.08	Ring	100	390	740.35	128	3,600	20
10	1.5	Class 1 = solid	200		12	Yes	233.35	Ring	100	430	610.99	126	2,400	25

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