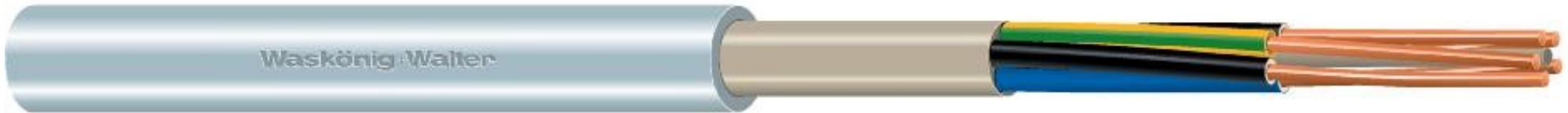


Power cable

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	

Characteristics	Properties	Unit
Specification material outer sheath	Polyethylene (PE)	
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

Bruttogewicht pro Paletteinheit	Conductor category	Longitudinal water blocking conductors	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Protective conductor	Weight	Individual length	Net weight	Packing
	Class 2 = stranded	No	Copper 96	10 mm ²	1	9 mm		Yes	149.66	Cut length	150 kg	Ring, Drum
	Class 2 = stranded	No	Copper 154	16 mm ²	1	10 mm		Yes	214.95	Cut length	215 kg	Ring, Drum

Bruttogewicht pro Paletteinheit	Conductor category	Longitudinal water blocking conductors	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Protective conductor	Weight	Individual length	Net weight	Packing
	Class 2 = stranded	No	Copper 154	16 mm ²	1	10 mm		Yes	214.95	Cut length	215 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 43	1.5 mm ²	3	7 mm		Yes	78.26	Cut length	78 kg	Ring, Drum
	Class 1 = solid		Copper 43	1.5 mm ²	3	7 mm		Yes	78.64	Cut length	79 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 43	1.5 mm ²	3	7 mm		Yes	78.64	Cut length	79 kg	Ring, Drum
351.49 kg	Class 1 = solid		Copper 43	1.5 mm ²	3	7 mm	4,200 m	Yes	78.26	50 m	4 kg	Ring
633.23 kg	Class 1 = solid		Copper 43	1.5 mm ²	3	7 mm	7,800 m	Yes	78.26	100 m	8 kg	Ring
447.46 kg	Class 1 = solid	Yes	Copper 43	1.5 mm ²	3	7 mm	5,400 m	Yes	78.64	100 m	8 kg	Ring
343.1 kg	Class 1 = solid	Yes	Copper 43	1.5 mm ²	3	7 mm	3,600 m	Yes	78.64	300 m	24 kg	Drum
522.612 kg	Class 1 = solid		Copper 43	1.5 mm ²	3	7 mm	6,000 m	Yes	78.26	500 m	39 kg	Drum
531.84 kg	Class 1 = solid	Yes	Copper 43	1.5 mm ²	3	7 mm	6,000 m	Yes	78.64	500 m	39 kg	Drum
1,006.08 kg	Class 1 = solid		Copper 43	1.5 mm ²	3	7 mm	12,000 m	Yes	78.64	1000 m	79 kg	Drum
495.89 kg	Class 1 = solid		Copper 72	2.5 mm ²	3	8 mm	4,200 m	Yes	112.64	100 m	11 kg	Ring
701.22 kg	Class 1 = solid	Yes	Copper 72	2.5 mm ²	3	8 mm	6,000 m	Yes	113.07	100 m	11 kg	Ring
375.846 kg	Class 1 = solid	Yes	Copper 72	2.5 mm ²	3	8 mm	3,000 m	Yes	112.64	500 m	56 kg	Drum
738.42 kg	Class 1 = solid	Yes	Copper 72	2.5 mm ²	3	8 mm	6,000 m	Yes	113.07	500 m	57 kg	Drum

Bruttogewicht pro Paletteinheit	Conductor category	Longitudinal water blocking conductors	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Protective conductor	Weight	Individual length	Net weight	Packing
	Class 1 = solid	Yes	Copper 58	1.5 mm ²	4	8 mm		Yes	96.2	Cut length	96 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 58	1.5 mm ²	4	8 mm		Yes	96.2	Cut length	96 kg	Ring, Drum
714.36 kg	Class 1 = solid		Copper 58	1.5 mm ²	4	8 mm	7,200 m	Yes	96.2	100 m	10 kg	Ring
405.78 kg	Class 1 = solid		Copper 58	1.5 mm ²	4	8 mm	3,600 m	Yes	96.2	300 m	29 kg	Drum
	Class 1 = solid	Yes	Copper 96	2.5 mm ²	4	9 mm		Yes	140.14	Cut length	140 kg	Ring, Drum
	Class 2 = stranded		Copper 230	6 mm ²	4	12 mm		No	308.12	Cut length	309 kg	Ring, Drum
500.916 kg	Class 2 = stranded	No	Copper 230	6 mm ²	4	12 mm	1,500 m	No	308.12	250 m	77 kg	Drum
	Class 2 = stranded	No	Copper 384	10 mm ²	4	16 mm		No	567.72	Cut length	568 kg	Ring, Drum
671.26 kg	Class 2 = stranded		Copper 384	10 mm ²	4	16 mm	1,000 m	No	567.72	250 m	142 kg	Drum
	Class 2 = stranded	No	Copper 614	16 mm ²	4	18 mm		No	834.86	Cut length	767 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 72	1.5 mm ²	5	9 mm		Yes	117.12	Cut length	117 kg	Ring, Drum
	Class 1 = solid		Copper 72	1.5 mm ²	5	9 mm		Yes	117.68	Cut length	118 kg	Ring, Drum
514.7 kg	Class 1 = solid		Copper 72	1.5 mm ²	5	9 mm	4,200 m	Yes	117.12	50 m	6 kg	Ring
866.06 kg	Class 1 = solid		Copper 72	1.5 mm ²	5	9 mm	7,200 m	Yes	117.12	100 m	12 kg	Ring
870.1 kg	Class 1 = solid	Yes	Copper 72	1.5 mm ²	5	9 mm	7,200 m	Yes	117.68	100 m	12 kg	Ring

Bruttogewicht pro Paletteinheit	Conductor category	Longitudinal water blocking conductors	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Protective conductor	Weight	Individual length	Net weight	Packing
483.65 kg	Class 1 = solid	Yes	Copper 72	1.5 mm ²	5	9 mm	3,600 m	Yes	117.68	300 m	35 kg	Drum
389.286 kg	Class 1 = solid		Copper 72	1.5 mm ²	5	9 mm	3,000 m	Yes	117.12	500 m	59 kg	Drum
768.48 kg	Class 1 = solid	Yes	Copper 72	1.5 mm ²	5	9 mm	6,000 m	Yes	117.68	500 m	59 kg	Drum
375.84 kg	Class 1 = solid	Yes	Copper 72	1.5 mm ²	5	9 mm	3,000 m	Yes	117.68	500 m	59 kg	Drum
511.12 kg	Class 1 = solid	Yes	Copper 72	1.5 mm ²	5	9 mm	4,000 m	Yes	117.68	1000 m	118 kg	Drum
1,057.6 kg	Class 1 = solid	Yes	Copper 72	1.5 mm ²	5	9 mm	7,500 m	Yes	117.68	7500 m	883 kg	Drum
	Class 1 = solid	Yes	Copper 120	2.5 mm ²	5	10 mm		Yes	174.67	Cut length	175 kg	Ring, Drum
753.73 kg	Class 1 = solid		Copper 120	2.5 mm ²	5	10 mm	4,200 m	Yes	174.03	50 m	9 kg	Ring
753.73 kg	Class 1 = solid	Yes	Copper 120	2.5 mm ²	5	10 mm	4,200 m	Yes	174.03	100 m	17 kg	Ring
546.36 kg	Class 1 = solid	Yes	Copper 120	2.5 mm ²	5	10 mm	3,000 m	Yes	174.67	100 m	17 kg	Ring
389.44 kg	Class 1 = solid		Copper 120	2.5 mm ²	5	10 mm	2,000 m	Yes	174.67	500 m	87 kg	Drum
414.86 kg	Class 1 = solid		Copper 120	2.5 mm ²	5	10 mm	2,000 m	Yes	174.03	500 m	87 kg	Drum
	Class 1 = solid	Yes	Copper 192	4 mm ²	5	11 mm		Yes	252.79	Cut length	253 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 192	4 mm ²	5	11 mm		Yes	253.21	Cut length	253 kg	Ring, Drum
934.36 kg	Class 1 = solid	Yes	Copper 192	4 mm ²	5	11 mm	3,600 m	Yes	253.21	100 m	25 kg	Ring

Bruttogewicht pro Paletteinheit	Conductor category	Longitudinal water blocking conductors	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Protective conductor	Weight	Individual length	Net weight	Packing
341.276 kg	Class 1 = solid	Yes	Copper 192	4 mm ²	5	11 mm	1,200 m	Yes	252.79	200 m	51 kg	Drum
608.38 kg	Class 1 = solid		Copper 192	4 mm ²	5	11 mm	2,000 m	Yes	252.79	500 m	126 kg	Drum
	Class 1 = solid	Yes	Copper 288	6 mm ²	5	13 mm		Yes	361.6	Cut length	362 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 288	6 mm ²	5	13 mm		Yes	362.16	Cut length	362 kg	Ring, Drum
	Class 2 = stranded	No	Copper 288	6 mm ²	5	14 mm		Yes	375.42	Cut length	375 kg	Ring, Drum
892.37 kg	Class 1 = solid		Copper 288	6 mm ²	5	13 mm	2,400 m	Yes	362.16	50 m	18 kg	Ring
892.37 kg	Class 1 = solid		Copper 288	6 mm ²	5	13 mm	2,400 m	Yes	362.16	100 m	36 kg	Ring
601.056 kg	Class 2 = stranded		Copper 288	6 mm ²	5	14 mm	1,500 m	Yes	375.42	250 m	94 kg	Drum
853.64 kg	Class 2 = stranded		Copper 288	6 mm ²	5	14 mm	2,000 m	Yes	375.42	500 m	188 kg	Drum
1,018.55 kg	Class 2 = stranded	No	Copper 288	6 mm ²	5	14 mm	2,500 m	Yes	375.42	2500 m	939 kg	Drum
	Class 2 = stranded	No	Copper 480	10 mm ²	5	17 mm		Yes	623.8	Cut length	624 kg	Ring, Drum
	Class 2 = stranded	No	Copper 480	10 mm ²	5	17 mm		Yes	624.69	Cut length	625 kg	Ring, Drum
155.95 kg	Class 2 = stranded	No	Copper 480	10 mm ²	5	17 mm	250 m	Yes	623.8	250 m	156 kg	Drum
1,015.7 kg	Class 2 = stranded	No	Copper 480	10 mm ²	5	17 mm	1,500 m	Yes	623.8	1500 m	936 kg	Drum
	Class 2 = stranded	No	Copper 768	16 mm ²	5	20 mm		Yes	932.24	Cut length	932 kg	Ring, Drum

Bruttogewicht pro Paletteinheit	Conductor category	Longitudinal water blocking conductors	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Protective conductor	Weight	Individual length	Net weight	Packing
	Class 2 = stranded	No	Copper 768	16 mm ²	5	20 mm		Yes	931.92	Cut length	932 kg	Ring, Drum
	Class 2 = stranded	No	Copper 768	16 mm ²	5	20 mm		Yes	932.24	Cut length	932 kg	Ring, Drum
233.06 kg	Class 2 = stranded	No	Copper 768	16 mm ²	5	20 mm	250 m	Yes	932.24	250 m	233 kg	Drum
	Class 1 = solid	Yes	Copper 86.4	1.5 mm ²	6	10 mm		Yes	156.52	Cut length	157 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 86.4	1.5 mm ²	6	10 mm		Yes	157.24	Cut length	157 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 86.4	1.5 mm ²	6	10 mm		Yes	156.52	Cut length	157 kg	Ring, Drum
680.18 kg	Class 1 = solid		Copper 86.4	1.5 mm ²	6	10 mm	4,200 m	Yes	156.52	100 m	16 kg	Ring
	Class 1 = solid	Yes	Copper 101	1.5 mm ²	7	10 mm		Yes	167.32	Cut length	167 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 101	1.5 mm ²	7	10 mm		Yes	167.73	Cut length	168 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 101	1.5 mm ²	7	10 mm		No	167.73	Cut length	168 kg	Ring, Drum
727.27 kg	Class 1 = solid		Copper 101	1.5 mm ²	7	10 mm	4,200 m	Yes	167.73	100 m	17 kg	Ring
	Class 1 = solid	Yes	Copper 168	2.5 mm ²	7	12 mm		Yes	240.57	Cut length	241 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 168	2.5 mm ²	7	12 mm		Yes	240.4	Cut length	240 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 115.2	1.5 mm ²	8	11 mm		Yes	189.08	Cut length	189 kg	Ring, Drum
	Class 1 = solid	Yes	Copper 115.2	1.5 mm ²	8	11 mm		Yes	189.08	Cut length	189 kg	Ring, Drum

Bruttogewicht pro Paletteinheit	Conductor category	Longitudinal water blocking conductors	Metal number	Nominal cross section conductor	Number of cores	Outer diameter approx.	Paletteinheit	Protective conductor	Weight	Individual length	Net weight	Packing
703.49 kg	Class 1 = solid		Copper 115.2	1.5 mm ²	8	11 mm	3,600 m	Yes	189.08	100 m	19 kg	Ring
	Class 1 = solid	Yes	Copper 144	1.5 mm ²	10	12 mm		Yes	232.78	Cut length	233 kg	Ring, Drum
582.84 kg	Class 1 = solid		Copper 144	1.5 mm ²	10	12 mm	2,400 m	Yes	233.35	100 m	23 kg	Ring
582.84 kg	Class 1 = solid		Copper 144	1.5 mm ²	10	12 mm	2,400 m	Yes	233.35	100 m	23 kg	Ring