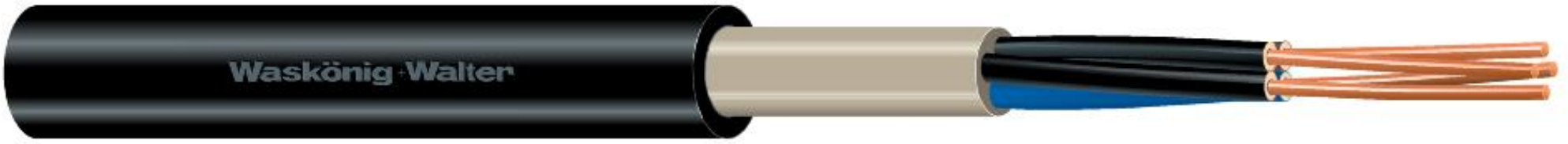
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Power cable

U-1000 R2V

Power cable, XLPE insulated, copper conductor, PVC outersheath

0.6/1 kV



According to NFC 32-321.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Shape of conductor	Round	
Core identification according to HD 308 S2	Yes	
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	Black	

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Characteristics	Properties	Unit
Conductive coating	No	
Longitudinal water blocking screen	No	
Reaction-to-fire according to EN 13501-6: Class	Eca	
Halogen free (acc. EN 60754-1/2)	No	
Flame retardant	In accordance with IEC/EN 60332-1-2	
Low smoke (acc. EN 61034-2)	No	
Max. conductor temperature	90	°C
Permitted cable outer temperature during assembling/handling	-15 <=> 70	°C
Nominal voltage U0	0.6	kV
Nominal voltage U	1	kV
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	

Product											Packaging						
Number of cores	Nominal cross section conductor (in mm^2)	Conductor category	Core diameter	Core identification	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permane 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)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
1	25	Class 2 = stranded		Colour		150	15	10	No	279.12	Ring, Drum	Cut length					279
1	25	Class 2 = stranded		Colour		150	15	10	No	279.12	Ring, Drum	Cut length					279
1	25	Class 2 = stranded	200	Colour		150	15	10	No	279.12	Ring	50	1,027.63	56	390	3,600	14
1	25	Class 2 = stranded	200	Colour		150	15	10	No	279.12	Ring	100	1,027.63	112	390	3,600	28
1	70	Class 2 = stranded		Colour		225	15	15	No	692.47	Ring, Drum	Cut length					692
1	95	Class 2 = stranded		Colour		255	15	17	No	941.14	Ring, Drum	Cut length					941
1	120	Class 2 = stranded		Colour		270	15	18	No	1,167.1	Ring, Drum	Cut length					1,167

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Product											Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core diameter	Core identification	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permane installation (in mm)	Minimum bending radius (in x Außen-Ø)	Outer diameter ap prox. (in mm)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
1	150	Class 2 = stranded		Colour		300	15	20	No	1,446.2	Ring, Drum	Cut length					1,446
1	185	Class 2 = stranded		Colour		330	15	22	No	1,784	Ring, Drum	Cut length					1,784
1	240	Class 2 = stranded		Colour		375	15	25	No	2,331.3	Ring, Drum	Cut length					2,331
1	300	Class 2 = stranded		Colour		420	15	28	No	2,915.6	Ring, Drum	Cut length					2,916
2	1.5	Class 1 = solid	200	Colour			12	9	No	91.83	Ring	50	436.04	51	360	4,500	5
2	1.5	Class 1 = solid	200	Colour			12	9	No	91.83	Ring	100	573.78	80	390	6,000	9
2	1.5	Class 1 = solid	150	Colour			12	9	No	91.83	Drum	500	610.98	419	410	6,000	46
2	1.5	Class 1 = solid	260	Colour			12	9	No	91.83	Drum	1000	407.72	419	600	4,000	92
2	2.5	Class 1 = solid	200	Colour			12	10	No	119.08	Ring	100	594.38	95	390	4,800	12
2	2.5	Class 1 = solid	260	Colour			12	10	No	119.08	Drum	1000	516.72	419	600	4,000	119
2	10	Class 2 = stranded		Colour			12	13	No	319.25	Ring, Drum	Cut length					319
2	10	Class 2 = stranded	200	Colour			12	14	No	319.25	Ring	50	405.9	99	390	1,200	16
2	16	Class 2 = stranded		Colour			12	16	No	496.71	Ring, Drum	Cut length					497
2	16	Class 2 = stranded	300	Colour			12	16	No	496.71	Ring	50	469.84	115	470	900	25
2	25	Class 2 = stranded		Colour		228	12	19	No	765.46	Ring, Drum	Cut length					765
2	25	Class 2 = stranded	300	Colour		228	12	19	No	765.46	Ring	50	711.71	88	590	900	38
2	25	Class 2 = stranded	450	Colour		228	12	19	No	765.46	Drum	250	239.37	695	900	250	191
2	35	Class 2 = stranded		Colour		264	12	22	No	1,006.2	Ring, Drum	Cut length					1,006
2	35	Class 2 = stranded	450	Colour		264	12	22	No	1,006.2	Drum	250	299.55	695	900	250	252
3	1.5	Class 1 = solid	200	Colour			12	9	Yes	107.35	Ring	50	505.88	51	370	4,500	5
3	1.5	Class 1 = solid	200	Colour			12	9	Yes	107.35	Ring	100	666.9	88	390	6,000	11

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Product											Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core diameter	Core identification	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permane installation (in mm)	Minimum bending radius (in x Außen-Ø)	Outer diameter ap prox. (in mm)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
3	1.5	Class 1 = solid	200	Colour			12	9	No	107.35	Ring	100	666.9	88	390	6,000	11
3	1.5	Class 1 = solid	150	Colour			12	9	Yes	107.35	Drum	500	704.1	419	410	6,000	54
3	1.5	Class 1 = solid	150	Colour			12	9	No	107.35	Drum	500	704.1	419	410	6,000	54
3	1.5	Class 1 = solid	260	Colour			12	9	Yes	107.35	Drum	1000	469.8	419	600	4,000	107
3	2.5	Class 1 = solid		Colour			12	10	Yes	142.65	Ring	50	621.93			4,200	7
3	2.5	Class 1 = solid	200	Colour			12	10	Yes	142.65	Ring	100	707.52	105	390	4,800	14
3	2.5	Class 1 = solid	150	Colour			12	10	Yes	142.65	Drum	500	918.3	419	450	6,000	71
3	4	Class 1 = solid		Colour			12	11	Yes	194.45	Ring, Drum	Cut length					194
3	4	Class 1 = solid	260	Colour			12	11	Yes	194.45	Drum	500	429.3	419	600	2,000	97
3	4	Class 1 = solid	315	Colour			12	11	Yes	194.45	Drum	1000	851.24	419	752	4,000	194
3	6	Class 2 = stranded		Colour			12	13	Yes	272.04	Ring	50	757.31			2,700	14
3	6	Class 2 = stranded	200	Colour			12	13	Yes	272.04	Ring	100	675.7	130	430	2,400	27
3	6	Class 2 = stranded	260	Colour			12	13	Yes	272.04	Drum	500	584.48	419	600	2,000	136
3	10	Class 2 = stranded		Colour			12	14	Yes	404.44	Ring, Drum	Cut length					404
3	10	Class 2 = stranded	315	Colour			12	14	Yes	404.44	Drum	500	882.32	419	752	2,000	202
4	1.5	Class 1 = solid	200	Colour			12	10	Yes	127.75	Ring	50	636	52	390	4,800	6
4	1.5	Class 1 = solid	200	Colour			12	10	Yes	127.75	Ring	100	636	103	390	4,800	13
4	1.5	Class 1 = solid	200	Colour			12	10	No	127.75	Ring	100	636	103	390	4,800	13
4	1.5	Class 1 = solid	150	Colour			12	10	Yes	127.75	Drum	500	828.9	419	450	6,000	64
4	1.5	Class 1 = solid	150	Colour			12	10	No	127.75	Drum	500	828.9	419	450	6,000	64
4	1.5	Class 1 = solid	315	Colour			12	10	Yes	127.75	Drum	1000	584.44	419	752	4,000	128

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Product											Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core diameter	Core identification	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent 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)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
4	2.5	Class 1 = solid	200	Colour	Yes		12	10	Yes	172.3	Ring	50	384.63	62	390	2,100	9
4	2.5	Class 1 = solid	200	Colour			12	11	Yes	172.3	Ring	100	746.46	123	390	4,200	17
4	2.5	Class 1 = solid	260	Colour			12	11	Yes	172.3	Drum	500	385	419	600	2,000	86
4	10	Class 2 = stranded		Colour			12	15	No	504.35	Ring, Drum	Cut length					504
4	10	Class 2 = stranded	300	Colour			12	16	No	504.35	Ring	50	476.72	157	430	900	25
4	10	Class 2 = stranded	450	Colour			12	16	No	504.35	Drum	500	300.18	695	900	500	252
4	16	Class 2 = stranded		Colour			12	18	No	789.66	Ring, Drum	Cut length					790
4	16	Class 2 = stranded	300	Colour			12	18	No	789.66	Ring	50	615.05	155	470	750	39
4	16	Class 2 = stranded	450	Colour			12	18	No	789.66	Drum	250	245.42	695	900	250	197
4	25	Class 2 = stranded		Colour		264	12	22	No	1,226.9	Ring, Drum	Cut length					1,227
4	25	Class 2 = stranded	450	Colour		264	12	22	No	1,226.9	Drum	250	354.73	695	900	250	307
4	35	Class 2 = stranded		Colour	No	300	12	25	No	1,634.4	Ring, Drum	Cut length					1,634
4	35	Class 2 = stranded	450	Colour		300	12	25	No	1,634.4	Drum	250	456.6	695	900	250	409
4	50	Class 2 = stranded		Colour		336	12	28	No	2,174.4	Ring, Drum	Cut length					2,174
4	50	Class 2 = stranded		Colour		336	12	28	Yes	2,174.4	Ring, Drum	Cut length					2,174
4	50	Class 2 = stranded	450	Colour		336	12	28	No	2,174.4	Drum	250	591.6	695	900	250	544
4	70	Class 2 = stranded		Colour		396	12	33	No	3,101.2	Ring, Drum	Cut length					3,101
5	1.5	Class 1 = solid	200	Colour	Yes		12	10	Yes	149.3	Ring	50	649.86	60	390	4,200	7
5	1.5	Class 1 = solid	200	Colour			12	11	Yes	149.3	Ring	100	649.86	120	390	4,200	15
5	1.5	Class 1 = solid	150	Colour			12	11	Yes	149.3	Drum	500	804.3	419	500	5,000	75
5	1.5	Class 1 = solid	315	Colour			12	11	Yes	149.3	Drum	1000	670.64	419	752	4,000	149

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Product											Packaging						
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5	2.5	Class 1 = solid	200	Colour			12	12	Yes	203.38	Ring	50	754.97	72	390	3,600	10
5	2.5	Class 1 = solid	200	Colour			12	12	Yes	203.38	Ring	100	632.94	144	390	3,000	20
5	2.5	Class 1 = solid	260	Colour			12	12	Yes	203.38	Drum	500	447.16	419	600	2,000	102
5	4	Class 1 = solid		Colour	Yes		12	13	Yes	283.43	Ring, Drum	Cut length					283
5	4	Class 1 = solid	315	Colour			12	13	Yes	283.43	Drum	500	640.3	419	752	2,000	142
5	6	Class 2 = stranded	300	Colour			12	15	Yes	409.36	Ring	50	514.03	140	430	1,200	20
5	6	Class 2 = stranded	300	Colour			12	15	Yes	409.36	Ring	100	595.9	103	590	1,400	41
5	6	Class 2 = stranded	315	Colour			12	15	Yes	409.36	Drum	500	892.16	419	752	2,000	205
5	25	Class 2 = stranded		Colour		300	12	25	Yes	1,499.9	Ring, Drum	Cut length					1,500
7	1.5	Class 1 = solid		Numbers		132	12	11	Yes	195.62	Ring, Drum	Cut length					196
7	1.5	Class 1 = solid	200	Numbers		132	12	11	Yes	195.62	Ring	50	668.35	69	390	3,300	10
7	1.5	Class 1 = solid	200	Numbers		132	12	11	Yes	195.62	Ring	100	609.66	137	390	3,000	20
7	1.5	Class 1 = solid	260	Numbers			12	11	Yes	195.62	Drum	500	431.64	419	600	2,000	98
7	1.5	Class 1 = solid	315	Numbers		132	12	11	Yes	195.62	Drum	1000	855.92	419	752	4,000	196
7	2.5	Class 1 = solid		Numbers		156	12	13	Yes	268.8	Ring, Drum	Cut length					269
7	2.5	Class 1 = solid	260	Numbers			12	13	Yes	268.8	Drum	500	578	419	600	2,000	134
12	1.5	Class 1 = solid		Numbers		180	12	15	Yes	318.33	Ring, Drum	Cut length					318
12	1.5	Class 1 = solid	315	Numbers		180	12	15	Yes	318.33	Drum	500	710.1	419	752	2,000	159
19	1.5	Class 1 = solid		Numbers		204	12	17	Yes	445.83	Ring, Drum	Cut length					446

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