



Control Cable

Halogen Free Control Cable 300/500 V

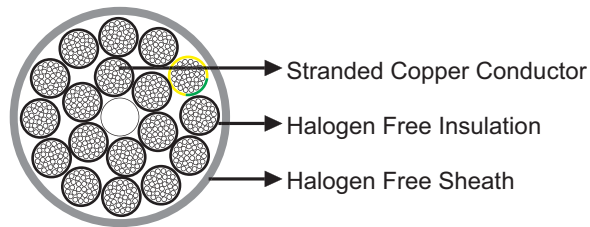
» Application

These halogen-free, flame retardant cables are designed for use as measuring and control cable in machinery and plant construction, in building and air-conditioning systems, in warehousing and conveying systems, in ship-building and for renewable energy such as in the construction of wind turbines.

» Standards

DIN VDE 0281 part 14

» Construction



Conductor: Stranded bare copper, class 5 according to DIN VDE 0295/BS 6360/IEC 60228.

Insulation: Halogen-free compound special polymer.

Sheath: Halogen-free compound special polymer.

» Technical Data

Rated Voltage U ₀ /U (Um)	300/500V
Operating Temperatures	flexing: -30°C~+90°C; fixed: -40°C~+90°C
Minimum Bending Radius	flexing: 10×OD; fixed: 4×OD
Flame Retardant	VDE 0482-332-1-2/DIN EN 60332-1-2/IEC 60332-1
Halogen Free	VDE 0482 part 267/DIN EN 50267-2-1/IEC 60754
Gases Corrosively	NF X 10-702
Smoke Density	VDE 0482 part 1034-1+2/IEC 61034-1+2/DIN EN 61034-1+2/BS 7622 part 1+2
Oil Resistant	Yes
Ozone Resistant	Yes



Caledonian Windmill Cables

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Silicone Free	Yes
UV Resistant	Yes

» Dimensions and Weight

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
2×0.5	4.8	43
3G0.5	5.1	50
3×0.5	5.1	50
4G0.5	5.7	60
4×0.5	5.7	60
5G0.5	6.2	71
5×0.5	6.2	71
7G0.5	7.4	84
8G0.5	8.0	101
10G0.5	8.8	121
12G0.5	9.1	142
16G0.5	10.0	183
18G0.5	10.7	204
20G0.5	11.2	227
25G0.5	12.7	283
30G0.5	13.5	324
34G0.5	14.5	367
37G0.5	15.0	381
41G0.5	15.8	417
42G0.5	15.8	454
50G0.5	17.3	519
61G0.5	19.4	635
65G0.5	19.4	694
2×0.75	5.2	47
3G0.75	5.5	56
3×0.75	5.5	56
4G0.75	6.2	69
4×0.75	6.2	69
5G0.75	6.8	83
5×0.75	6.8	83
7G0.75	8.1	114
7×0.75	8.1	114
8G0.75	8.9	136
10G0.75	9.6	172
12G0.75	9.9	183



Control Cable

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
16G0.75	11.5	241
18G0.75	11.9	266
20G0.75	12.6	291
25G0.75	14.1	374
30G0.75	15.4	450
34G0.75	16.4	517
37G0.75	17.2	541
41G0.75	17.6	611
42G0.75	17.6	621
50G0.75	19.8	742
61G0.75	20.9	853
65G0.75	21.5	909
2×1	5.5	63
3G1	6.0	74
3×1	6.0	74
4G1	6.6	90
4×1	6.6	90
5G1	7.2	109
7G1	8.6	151
8G1	9.4	184
10G1	10.4	224
12G1	10.7	243
16G1	12.0	314
18G1	12.7	361
20G1	13.5	387
25G1	15.2	496
34G1	17.4	670
37G1	18.4	713
41G1	18.9	784
42G1	18.9	824
50G1	21.0	952
61G1	22.2	1140
65G1	22.8	1201
2×1.5	6.3	70
3G1.5	6.7	94
3×1.5	6.7	94
4G1.5	7.3	112
5G1.5	8.2	141
7G1.5	9.8	191
8G1.5	10.6	224
10G1.5	11.7	282



Caledonian Windmill Cables

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Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
12G1.5	12.1	311
16G1.5	13.6	392
18G1.5	14.5	450
20G1.5	15.2	497
25G1.5	17.8	630
34G1.5	19.8	842
37G1.5	20.2	897
50G1.5	23.7	1277
61G1.5	25.3	1460
65G1.5	26.0	1612
2×2.5	7.6	118
3G2.5	8.3	151
4G2.5	9.1	181
5G2.5	10.2	224
7G2.5	12.1	316
8G2.5	13.2	370
10G2.5	14.7	451
12G2.5	15.2	499
16G2.5	17.5	720
18G2.5	18.1	769
20G2.5	18.7	911
25G2.5	22.2	1047
30G2.5	23.7	1280
2×4	9.2	199
3G4	9.9	247
4G4	11.0	299
5G4	12.1	369
7G4	13.3	463
8G4	15.9	601
10G4	17.3	698
12G4	18.3	790
16G4	20.2	1130
18G4	21.8	1280
2×6	10.8	266
3G6	11.7	360
4G6	13.0	429
5G6	14.5	529
7G6	16.0	631
2×10	14.0	440
3G10	15.0	550
4G10	16.8	708



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Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
5G10	18.7	862
7G10	20.6	1124
2×16	16.5	642
3G16	17.6	830
4G16	19.7	1060
5G16	21.9	1270
7G16	24.4	1794
3G25	22.5	1190
4G25	25.2	1594
5G25	27.9	2014
3G35	25.2	1590
4G35	28.0	2200
5G35	31.0	2693
3G50	29.5	2571
4G50	33.4	3087
5G50	37.2	3980
3G70	37.0	3207
4G70	41.2	4077
5G70	46.0	5501
3G95	41.0	4708
4G95	46.0	5590
5G95	50.5	6972
3G120	45.7	5515
4G120	50.3	7100
3G150	52.2	6279
4G150	57.0	7781

G: with green-yellow earth core

×: without green-yellow earth core