



Halogen Free, Screened Control Cable 300/500 V

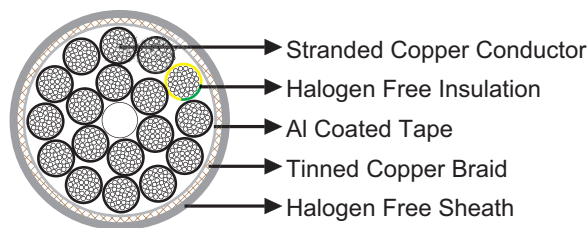
» Application

These screened, 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.

Separator: Al coated tape.

Screen: Tinned copper braid.

Sheath: Halogen-free compound special polymer.

» Technical Data

Rated Voltage U _o /U (U _m)	300/500V
Operating Temperatures	flexing: -30°C~+80°C; fixed: -40°C~+80°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



Control Cable

Oil Resistant	Yes
Ozone Resistant	Yes
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	5.7	46
3G0.5	6.0	56
3×0.5	6.0	56
4G0.5	6.5	62
4×0.5	6.5	62
5G0.5	7.0	75
5×0.5	7.0	75
7G0.5	7.9	98
8G0.5	8.5	116
10G0.5	9.3	135
12G0.5	9.6	158
16G0.5	10.7	210
18G0.5	11.2	216
20G0.5	11.9	240
25G0.5	13.4	315
2×0.75	6.1	60
3G0.75	6.4	68
3×0.75	6.4	68
4G0.75	6.9	78
4×0.75	6.9	78
5G0.75	7.4	95
5×0.75	7.4	95
7G0.75	8.6	130
7×0.75	8.6	130
8G0.75	9.4	145
10G0.75	10.0	180
12G0.75	10.4	203
16G0.75	11.6	275
18G0.75	12.4	290
20G0.75	12.9	320
25G0.75	14.8	413
2×1	6.4	66
3G1	6.7	80



Caledonian Windmill Cables

Control Cable

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
3×1	6.7	80
4G1	7.3	100
4×1	7.3	100
5G1	7.8	130
7G1	9.1	160
8G1	9.9	197
10G1	10.8	232
12G1	11.2	260
16G1	12.3	346
18G1	13.2	382
20G1	13.8	440
25G1	15.8	540
2×1.5	6.6	88
3G1.5	6.9	100
3×1.5	6.9	100
4G1.5	7.5	125
5G1.5	8.4	158
7G1.5	10.0	210
8G1.5	11.1	244
10G1.5	12.0	315
12G1.5	12.1	340
16G1.5	14.3	424
18G1.5	14.6	480
25G1.5	17.6	702
2×2.5	8.3	132
3G2.5	9.0	168
4G2.5	9.8	195
5×2.5	10.9	256
7G2.5	12.9	345
8G2.5	13.1	390
10G2.5	15.2	482
12G2.5	15.9	572
2×4	9.8	220
3G4	10.6	251
4G4	11.5	305
5G4	12.7	388
7G4	14.0	504
2×6	11.5	270
3G6	12.4	351
4G6	13.8	464
5G6	15.7	546



Control Cable

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
7G6	16.6	670
2×10	14.9	461
3G10	15.9	574
4G10	17.8	785
5G10	19.6	914
7G10	21.6	1308
2×16	17.2	670
3G16	19.0	911
4G16	20.8	1105
5G16	22.9	1293
7G16	25.0	2149
3G25	23.5	1432
4G25	26.2	1911
5G25	29.7	2414
3G35	26.0	1914
4×35	30.4	2542
5G35	34.1	3180
3G50	30.3	3080
4G50	34.6	3550
5G50	39.1	4753
3G70	37.9	3840
4G70	41.3	4939
5G70	46.4	6572
3G95	41.5	5651
4G95	46.2	6690
5G95	51.5	8370
3G120	46.8	6342
4G120	51.0	8453
4G150	59.2	9104

G: with green-yellow earth core

×: without green-yellow earth core