



Halogen Free, Screened Control Cable 300/500 V

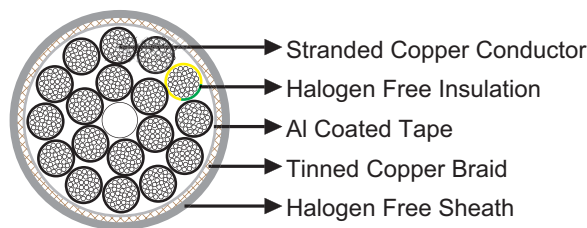
» Application

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 ₀ /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