



Medium Voltage High Temperature Resistant Cables +180°C

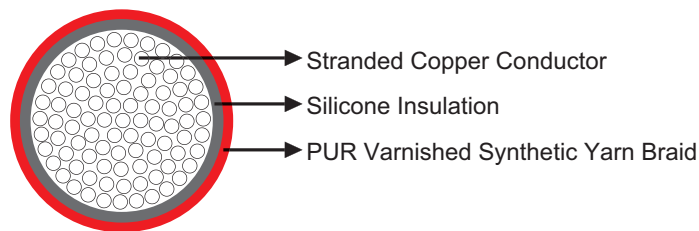
» Application

These cables are specifically designed for applications requiring for high temperature and oil resistant, suitable used for linking generators to transformers positioned up in the nacelle.

» Standards

IEC 60092

» Construction



Conductor: Stranded tinned copper wires, class 5 according to IEC 60228.

Tape: Polyester tape (up 16 mm²), Semi-conductive layer (only for 6.6 and 13.8 kV).

Insulation: Silicone rubber insulation.

Braid: PUR varnished synthetic yarn braid.

» Technical Data

| | |
|-------------------------|-------------------------------|
| Rated Voltage U0/U (Um) | 1.1kV-15kV |
| Operating Temperatures | -55°C~+180°C |
| Minimum Bending Radius | 6×OD (1.1kV); 12×OD (>=1.1kV) |
| Flame Retardant | IEC 60332-1/IEC 60332-3 |
| Halogen Free | IEC 60754 |
| Corrosive Gases | IEC 60754 |
| Smoke Density | IEC 61034 |
| Oil Resistant | Yes |
| Ozone Resistant | Yes |
| UV Resistant | Yes |
| Cold Resistant | CSA C 22.2 |



Power Cable

» Dimensions and Weight

1.1kV

| Construction | Nominal Overall Diameter | Nominal Weight |
|------------------------------|--------------------------|----------------|
| No. of cores×mm ² | mm | kg/km |
| 1×2.5 | 4.5 | 36 |
| 1×4 | 5.0 | 52 |
| 1×6 | 5.4 | 69 |
| 1×10 | 6.4 | 111 |
| 1×16 | 8.6 | 177 |
| 1×25 | 10.3 | 267 |
| 1×35 | 11.6 | 365 |
| 1×50 | 13.6 | 510 |
| 1×70 | 15.7 | 701 |
| 1×95 | 17.9 | 926 |
| 1×120 | 19.8 | 1154 |
| 1×150 | 21.9 | 1432 |
| 1×185 | 24.3 | 1761 |
| 1×240 | 26.9 | 2284 |

3.3-4.2kV

| Construction | Nominal Overall Diameter | Nominal Weight |
|------------------------------|--------------------------|----------------|
| No. of cores×mm ² | mm | kg/km |
| 1×2.5 | 6.3 | 54 |
| 1×6 | 7.3 | 90 |
| 1×10 | 8.2 | 135 |
| 1×16 | 10.4 | 208 |
| 1×25 | 12.0 | 302 |
| 1×35 | 13.2 | 401 |
| 1×50 | 15.4 | 559 |
| 1×70 | 17.5 | 775 |
| 1×95 | 19.5 | 981 |
| 1×120 | 21.4 | 1215 |
| 1×150 | 23.1 | 1481 |
| 1×185 | 25.1 | 1798 |
| 1×240 | 27.5 | 2314 |

6.6-7.2kV

| Construction | Nominal Overall Diameter | Nominal Weight |
|------------------------------|--------------------------|----------------|
| No. of cores×mm ² | mm | kg/km |
| 1×4 | 7.6 | 81 |
| 1×6 | 8.0 | 99 |



Caledonian Windmill Cables

Power Cable

| Construction No. of cores×mm ² | Nominal Overall Diameter mm | Nominal Weight kg/km |
|--|--------------------------------|-------------------------|
| 1×10 | 9.0 | 145 |
| 1×16 | 11.3 | 225 |
| 1×25 | 12.9 | 322 |
| 1×35 | 14.1 | 423 |
| 1×50 | 16.3 | 584 |
| 1×70 | 18.3 | 785 |
| 1×95 | 20.2 | 1006 |
| 1×120 | 22.0 | 1238 |
| 1×150 | 24.1 | 1525 |
| 1×185 | 26.1 | 1844 |
| 1×240 | 28.3 | 2355 |

13.8-15.0kV

| Construction No. of cores×mm ² | Nominal Overall Diameter mm | Nominal Weight kg/km |
|--|--------------------------------|-------------------------|
| 1×10 | 12.1 | 205 |
| 1×16 | 14.0 | 288 |
| 1×25 | 15.5 | 390 |
| 1×35 | 16.7 | 497 |
| 1×50 | 18.5 | 655 |
| 1×70 | 20.6 | 864 |
| 1×95 | 22.4 | 1093 |
| 1×120 | 24.2 | 1332 |
| 1×150 | 26.5 | 1637 |
| 1×185 | 28.5 | 1966 |
| 1×240 | 30.7 | 2486 |