



Power Cable

UL/CSA 1000V PVC/PVC Screened Torsion Resistant Cable 90°C

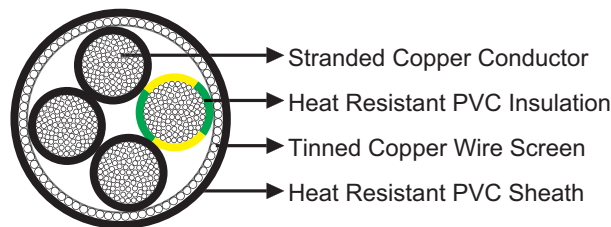
» Application

These cables with increased tolerance to torsion application, UV and oil resistant are specifically designed for wind power applications.

» Standards

UL 758

» Construction



Conductor: Stranded bare copper according to DIN VDE 0295.

Insulation: Special heat resistant PVC.

Screen: Tinned copper wire wrapped.

Sheath: Special heat resistant PVC.

» Technical Data

| | |
|-------------------------|--|
| Rated Voltage U0/U (Um) | 1000V |
| Operating Temperatures | flexing: -35°C~+90°C; fixed: -40°C~+90°C |
| Minimum Bending Radius | 10×OD |
| Torsion Application | +/-90°/m |
| Flame Retardant | FT1 |
| Oil Resistant | Yes |
| UV Resistant | Yes |



Caledonian Windmill Cables

Power Cable

» Dimensions and Weight

| Construction No. of cores×mm ² | AWG /MCM - | Nominal Overall Diameter mm | Nominal Weight kg/km |
|--|---------------|--------------------------------|-------------------------|
| 2×2×0.25 | 24 | 8.9 | 90 |
| 4×2×0.25 | 24 | 9.9 | 115 |
| 5×2×0.25 | 24 | 11.1 | 130 |
| 4×0.34 | 22 | 7.7 | 91 |
| 2×2×0.34 | 22 | 9.6 | 110 |
| 4×2×0.34 | 22 | 11.0 | 130 |
| 4×0.5 | 20 | 8.0 | 105 |
| 6×0.5 | 20 | 9.2 | 130 |
| 10×0.5 | 20 | 11.4 | 170 |
| 12×0.5 | 20 | 11.7 | 220 |
| 2×2×0.5 | 20 | 9.8 | 115 |
| 4×2×0.5 | 20 | 11.3 | 150 |
| 3×0.75 | 19 | 7.7 | 97 |
| 4×0.75 | 19 | 8.3 | 122 |
| 5×0.75 | 19 | 9.0 | 145 |
| 7×0.75 | 19 | 9.7 | 200 |
| 8×0.75 | 19 | 10.7 | 220 |
| 12×0.75 | 19 | 12.2 | 258 |
| 18×0.75 | 19 | 14.4 | 400 |
| 25×0.75 | 19 | 17.8 | 552 |
| 32×0.75 | 19 | 18.8 | 610 |
| 40×0.75 | 19 | 21.2 | 805 |
| 41×0.75 | 19 | 21.2 | 795 |
| 50×0.75 | 19 | 23.5 | 900 |
| 2×2×0.75 | 19 | 10.4 | 130 |
| 3×2×0.75 | 19 | 11.5 | 172 |
| 4×2×0.75 | 19 | 12.7 | 211 |
| 8×2×0.75 | 19 | 17.1 | 410 |
| 12×2×0.75 | 19 | 17.6 | 520 |
| 4×1.0 | 18 | 8.7 | 110 |
| 6×1.0 | 18 | 10.2 | 150 |
| 8×1.0 | 18 | 11.7 | 210 |
| 12×1.0 | 18 | 13.3 | 280 |
| 2×1.5 | 16 | 6.8 | 86 |
| 3×1.5 | 16 | 8.8 | 133 |
| 4×1.5 | 16 | 9.4 | 159 |
| 5×1.5 | 16 | 10.3 | 195 |
| 7×1.5 | 16 | 11.9 | 247 |



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| Construction No. of cores×mm ² | AWG /MCM - | Nominal Overall Diameter mm | Nominal Weight kg/km |
|--|---------------|--------------------------------|-------------------------|
| 12×1.5 | 16 | 14.7 | 410 |
| 2×2×1.5 | 16 | 12.1 | 180 |
| 3×2×1.5 | 16 | 14.0 | 210 |
| 4×2×1.5 | 16 | 14.6 | 235 |
| 3×2.5 | 14 | 10.4 | 210 |
| 4×2.5 | 14 | 10.6 | 264 |
| 5×2.5 | 14 | 12.3 | 288 |
| 7×2.5 | 14 | 14.8 | 411 |
| 12×2.5 | 14 | 18.2 | 638 |
| 5×4 | 12 | 13.6 | 382 |
| 7×4 | 12 | 16.3 | 582 |
| 12×4 | 12 | 20.0 | 806 |
| 5×6 | 10 | 17.4 | 640 |
| 4×10 | 8 | 17.8 | 727 |
| 5×10 | 8 | 19.8 | 935 |
| 4×16 | 6 | 21.1 | 1072 |
| 5×16 | 6 | 26.2 | 1330 |
| 4×25 | 4 | 26.0 | 1664 |
| 5×25 | 4 | 28.6 | 2014 |
| 4×50 | 1 | 37.0 | 3200 |
| 1×70 | 2/0 | 19.8 | 950 |
| 1×95 | 3/0 | 22.5 | 1280 |
| 1×120 | 4/0 | 25.0 | 1570 |
| 1×150 | 300 | 24.9 | 2000 |
| 1×185 | 350 | 27.8 | 2340 |
| 1×240 | 500 | 33.0 | 3150 |
| 1×300 | 600 | 39.0 | 3920 |
| 1×400 | 750 | 43.0 | 5100 |
| 1×500 | 1000 | 46.5 | 6200 |