



PVC/PVC to UL/CSA 600V Torsion Resistant Cable

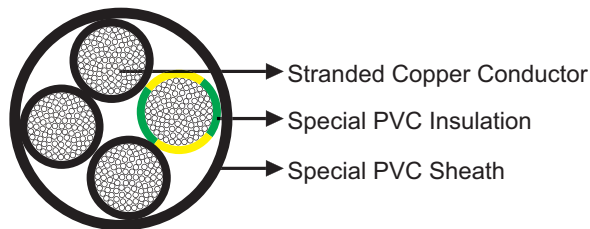
» Application

These cables with increased tolerance to Torsion Application, UV and oil resistant are specifically designed for the torsion applications in wind turbines.

» Standards

UL 758

» Construction



Conductor: Stranded bare copper according to DIN VDE 0295.

Insulation: Special PVC flexible at low temperatures.

Sheath: Special PVC flexible at low temperatures.

» Technical Data

| | |
|--------------------------------------|--|
| Rated Voltage U ₀ /U (Um) | 600V |
| Operating Temperatures | flexing: -40°C~+80°C; fixed: -40°C~+80°C |
| Minimum Bending Radius | flexing: 10×OD; fixed: 4×OD |
| Torsion Application | +/-140°/m |
| Flame Retardant | CSA C 22.2 |
| Oil Resistant | IEC 60811-2-1 |
| 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 |
|--|---------------|--------------------------------|-------------------------|
| 4×0.34 | 22 | 7.1 | 86 |
| 4×0.5 | 20 | 7.4 | 99 |
| 6×0.5 | 20 | 8.6 | 121 |
| 10×0.5 | 20 | 10.8 | 165 |
| 12×0.5 | 20 | 11.1 | 208 |
| 3×0.75 | 19 | 7.3 | 77 |
| 4×0.75 | 19 | 7.9 | 100 |
| 5×0.75 | 19 | 8.6 | 120 |
| 7×0.75 | 19 | 10.0 | 170 |
| 10×0.75 | 19 | 11.0 | 200 |
| 12×0.75 | 19 | 11.8 | 220 |
| 14×0.75 | 19 | 12.5 | 238 |
| 16×0.75 | 19 | 13.2 | 271 |
| 18×0.75 | 19 | 13.9 | 310 |
| 21×0.75 | 19 | 15.2 | 380 |
| 25×0.75 | 19 | 16.9 | 490 |
| 32×0.75 | 19 | 18.2 | 560 |
| 36×0.75 | 19 | 19.1 | 620 |
| 40×0.75 | 19 | 20.5 | 729 |
| 41×0.75 | 19 | 20.8 | 729 |
| 50×0.75 | 19 | 23.5 | 990 |
| 4×1 | 18 | 8.3 | 100 |
| 5×1 | 18 | 9.0 | 110 |
| 7×1 | 18 | 10.5 | 140 |
| 10×1 | 18 | 13.0 | 220 |
| 12×1 | 18 | 13.2 | 240 |
| 14×1 | 18 | 13.4 | 280 |
| 16×1 | 18 | 14.1 | 310 |
| 18×1 | 18 | 15.1 | 360 |
| 21×1 | 18 | 16.7 | 410 |
| 25×1 | 18 | 18.4 | 500 |
| 32×1 | 18 | 19.8 | 590 |
| 36×1 | 18 | 20.6 | 700 |
| 40×1 | 18 | 22.4 | 800 |
| 41×1 | 18 | 22.4 | 810 |
| 50×1 | 18 | 24.6 | 980 |
| 2×1.5 | 16 | 7.9 | 75 |
| 3×1.5 | 16 | 8.0 | 110 |
| 4×1.5 | 16 | 8.9 | 131 |
| 5×1.5 | 16 | 9.7 | 165 |
| 7×1.5 | 16 | 12.0 | 210 |
| 10×1.5 | 16 | 13.1 | 270 |

Caledonian Windmill Cables



Power Cable

| Construction No. of cores×mm ² | AWG /MCM - | Nominal Overall Diameter mm | Nominal Weight kg/km |
|--|---------------|--------------------------------|-------------------------|
| 12×1.5 | 16 | 14.3 | 360 |
| 14×1.5 | 16 | 14.9 | 420 |
| 16×1.5 | 16 | 15.7 | 450 |
| 18×1.5 | 16 | 16.8 | 510 |
| 21×1.5 | 16 | 17.8 | 590 |
| 25×1.5 | 16 | 20.6 | 700 |
| 32×1.5 | 16 | 22.2 | 900 |
| 36×1.5 | 16 | 23.1 | 980 |
| 40×1.5 | 16 | 25.0 | 1030 |
| 41×1.5 | 16 | 25.0 | 1050 |
| 50×1.5 | 16 | 27.7 | 1200 |
| 3×2.5 | 14 | 8.9 | 151 |
| 4×2.5 | 14 | 9.7 | 230 |
| 5×2.5 | 14 | 10.9 | 250 |
| 7×2.5 | 14 | 14.4 | 360 |
| 10×2.5 | 14 | 15.8 | 480 |
| 12×2.5 | 14 | 16.3 | 580 |
| 19×2.5 | 14 | 20.4 | 690 |
| 3×4 | 12 | 10.8 | 250 |
| 4×4 | 12 | 12.0 | 270 |
| 5×4 | 12 | 13.6 | 370 |
| 7×4 | 12 | 15.9 | 530 |
| 12×4 | 12 | 19.6 | 740 |
| 3×6 | 10 | 13.1 | 340 |
| 4×6 | 10 | 14.6 | 460 |
| 5×6 | 10 | 16.3 | 550 |
| 7×6 | 10 | 19.6 | 780 |
| 4×10 | 8 | 17.4 | 670 |
| 5×10 | 8 | 20.1 | 870 |
| 7×10 | 8 | 23.5 | 1150 |
| 4×16 | 6 | 22.6 | 1000 |
| 5×16 | 6 | 25.4 | 1250 |
| 4×25 | 4 | 26.5 | 1580 |
| 5×25 | 4 | 28.2 | 1900 |
| 4×35 | 2 | 31.4 | 2100 |
| 5×35 | 2 | 35.4 | 2600 |
| 4×50 | 1 | 36.7 | 2800 |
| 1×35 | 2 | 12.9 | 460 |
| 1×70 | 2/0 | 17.9 | 880 |
| 1×95 | 3/0 | 21.9 | 1230 |
| 1×120 | 4/0 | 23.1 | 1540 |
| 1×150 | 300 | 27.2 | 1870 |
| 1×185 | 350 | 28.0 | 2300 |
| 1×240 | 500 | 31.2 | 2970 |
| 1×300 | 600 | 35.0 | 3730 |
| 1×400 | 750 | 39.3 | 4500 |