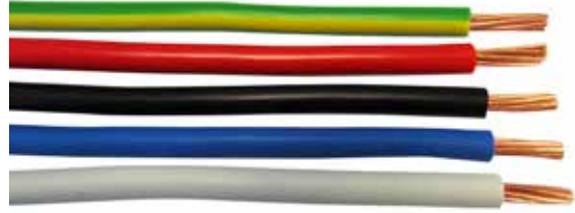


CW SERIES

Standard Performance Fixed Building / Conduit Wire 0.6/1kV 90°C



APPLICATIONS:

- Power** Suitable for switchboards and panel wiring.
- Control & Signals** Suitable for control panel wiring.
- Enclosures** Wiring in metal / PVC conduit and other protective enclosures.
- Earthing** Wiring in housing and light commercial buildings. Also suitable for earth bonding.

PRODUCT FEATURES:

- ▶ Flame retardant
- ▶ UV stabilised
- ▶ Tight bending radius
- ▶ Oil and chemical resistant (See *Technical Section*)

CONSTRUCTION:

- Conductor** Annealed plain copper stranded (Class 2).
- Insulation** SPVC V-90HT.

CHARACTERISTICS:

- Operating Temperature Range** Fixed -5°C to 90°C.
- Maximum Conductor Temperature** 105°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).
- Rated Voltage** U_0/U 0.6/1kV. **Max AC Operating Voltage** U_0 0.7kV.
- Minimum Bending Radius** Fixed 7 x cable diameter.
- Insulation Colours**
(use colour letters at end of code when ordering)
G/Y - Green/Yellow
BK - Black
BL - Blue
RD - Red
WH - White. Other colours available on request.
- Relevant Standards** AS/NZS 5000.1, AS/NZS 3808, AS/NZS 3008, AS/NZS 1125, **CE** Directive 2006/95/EC, **RoHS** Compliant.

| Code | No. of Cores x Size (mm ²) | Approx. Stranding No. of wires x mm | Approx. Overall Diameter (mm) | Approx. Weight (Kg/Km) | Nominal Amps @ 30°C Fixed Installation Single Phase | | Single Phase Volt Drop 90°C (Mv/Am) |
|---------|---|--|----------------------------------|---------------------------|--|-------------------|--|
| | | | | | Conduit in air | Unenclosed in air | |
| CW001.5 | 1 x 1.5 | 7/0.5 | 3.3 | 25 | 21 | 22 | 34.6 |
| CW002.5 | 1 x 2.5 | 7/0.67 | 3.7 | 35 | 27 | 31 | 18.9 |
| CW004 | 1 x 4.0 | 7/0.85 | 4.7 | 55 | 36 | 41 | 11.7 |
| CW006 | 1 x 6.0 | 7/1.04 | 5.3 | 70 | 47 | 52 | 7.82 |
| CW010 | 1 x 10.0 | 7/1.35 | 6.1 | 120 | 62 | 72 | 4.67 |
| CW016 | 1 x 16.0 | 7/1.70 | 7.1 | 180 | 80 | 95 | 2.94 |
| CW025 | 1 x 25.0 | 7/2.14 | 8.9 | 285 | 107 | 129 | 1.87 |
| CW035 | 1 x 35.0 | 19/1.53 | 10.3 | 370 | 128 | 158 | 1.35 |
| CW050 | 1 x 50.0 | 19/1.78 | 12.0 | 515 | 157 | 194 | 1.007 |
| CW070 | 1 x 70.0 | 19/2.14 | 13.3 | 730 | 194 | 246 | 0.710 |
| CW095 | 1 x 95.0 | 37/1.78 | 15.9 | 980 | 242 | 306 | 0.527 |
| CW120 | 1 x 120 | 37/2.03 | 16.4 | 1250 | 276 | 358 | 0.430 |

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.