

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
- ▶ Metre marked 0.5mm to 25mm for better length control
- ▶ 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** U₀/U 0.6/1kV. **Max AC Operating Voltage** U₀ 0.7kV.
- Minimum Bending Radius** Fixed 7 x cable diameter.
- Insulation Colours**
(use colour letters at end of code when ordering)
BK - Black
BL - Blue
G/Y - Green/Yellow
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.
- BEP Certified - Greenstar 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/A/m)
					Conduit in air	Unenclosed in air		
CW0015	1x 1.5	7/0.5	3.3	25	21	22		34.6
CW002.5	1x 2.5	7/0.67	3.7	35	27	31		18.9
CW004	1x 4.0	7/0.85	4.7	55	36	41		11.7
CW006	1x 6.0	7/1.04	5.3	70	47	52		7.82
CW010	1x 10.0	7/1.35	6.1	120	62	72		4.67
CW016	1x 16.0	7/1.70	7.1	180	80	95		2.94
CW025	1x 25.0	7/2.14	8.9	285	107	129		1.87
CW035	1x 35.0	19/1.53	10.3	370	128	158		1.35
CW050	1x 50.0	19/1.78	12.0	515	157	194		1.007
CW070	1x 70.0	19/2.14	13.3	730	194	246		0.710
CW095	1x 95.0	37/1.78	15.9	980	242	306		0.527
CW120	1x 120	37/2.03	16.4	1250	276	358		0.430
CW150	1x 150	37/2.27	17.9	1480	314	413		0.381