

FX SERIES

Extreme Performance Flexible Cable 0.6/1kV 90°C



APPLICATIONS:

Food, Beverage & Laboratory With its microbe and hydrolysis resistant and super durable PUR sheath this cable suits the food and beverage industry and laboratory environments.

Mobile Tools Suitable for floor sanding and drills where extreme wear resistance and reverse bending is required.

Power With its extra durable PUR sheath this cable is suitable for outdoor temporary power supplies, extension leads and agricultural equipment.

Marine Flexible tinned copper cable for installation on pleasure craft, ship to shore and other marine applications.

Low Temperature Extreme flexibility in low temperatures such as freezers and ski fields.

PRODUCT FEATURES:

- ▶ Halogen free
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Non-marking sheath
- ▶ Microbe & hydrolysis resistant
- ▶ Tinned fine stranded copper conductor
- ▶ Extreme resistance to abrasion, tearing & notching
- ▶ Resistant to environmental factors such as oxidation, ozone & sunlight
- ▶ Very good behavior to variations of outdoor temperatures
- ▶ High tensile strength, tearing strength & abrasion resistance
- ▶ Heat, oil & chemical resistant (See *Technical Section*)
- ▶ Good elongation at break
- ▶ Good dielectric properties
- ▶ Avian & rodent resistance
- ▶ Water & moisture resistance
- ▶ Yellow sheath for high visibility

CONSTRUCTION:

Conductor Annealed tinned copper stranded high flexibility (Class 5).

Insulation LT-SER 90.

Inner Sheath LT-SER 90.

Sheath PUR halogen free polyurethane compound.

CHARACTERISTICS:

Operating Temperature Range Fixed -45°C to 90°C / Flexing -35°C to 90°C.

Maximum Conductor Temperature 90°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 5 x cable diameter / Flexing 6 x cable diameter.

Sheath Colour Yellow.


Standard Core Colours

3 Core – Blue, Brown, Green/Yellow.

4 Core – Brown, Black, Grey, Green/Yellow.

5 Core – Blue, Brown, Black, Grey, Green/Yellow.

Relevant Standards AS/NZS 1125, AS/NZS 3808 (For insulation & inner sheath), **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 un-enclosed protected from sun @ 30°C fixed application		3 Phase Volt Drop @ 50Hz / MAX. Conductor Temp: 90°C (Mv/Am)
					Touching		
FX3G1.5	3 x 1.5	30/0.25	11.2	130	25		30.000
FX3G2.5	3 x 2.5	50/0.25	12.4	191	33		16.400
FX3G6.0	3 x 6.0	84/0.30	16.7	360	47		6.800
FX4G1.5	4 x 1.5	30/0.25	12.5	162	21		30.000
FX4G2.5	4 x 2.5	50/0.25	13.7	238	29		16.400
FX4G4.0	4 x 4.0	56/0.30	15.5	331	37		10.200
FX4G6.0	4 x 6.0	84/0.30	17.8	472	47		6.800
FX5G2.5	5 x 2.5	50/0.25	15.0	291	29		16.400
FX5G6.0	5 x 6.0	84/0.30	19.8	581	47		6.800