

FIRE RETARDANT SINGLE FLEX

HALOGEN-FREE,
FLAME-RETARDANT
CROSS-LINKED POLYOLEFIN

Construction

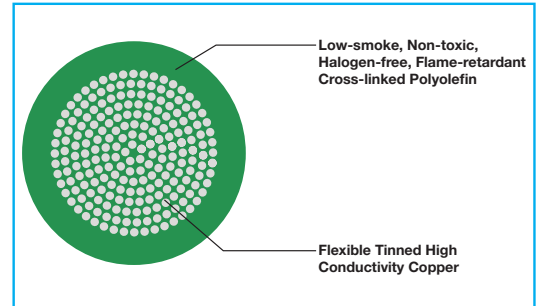
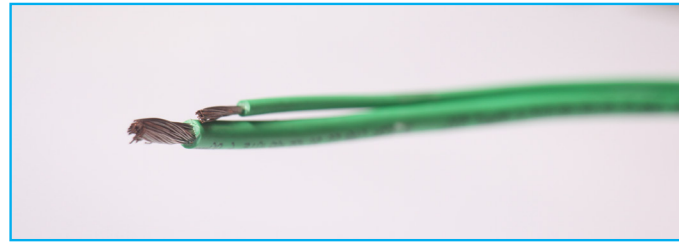
High conductivity bunched, tinned flexible copper conductors, insulated with a low smoke, non-toxic, halogen-free, flame-retardant cross-linked polyolefin. The fire retarding process greatly enhances the tensile strength, abrasion resistance, heat resistance and shrink back qualities of the insulation, while retaining its excellent ultraviolet, oil and water resistance. The principal advantage is that the insulation does not soften and deform at high temperatures, permitting short term overloading and fault currents without the conductor burning through the insulation and damaging any adjacent wiring.

Applications

For the wiring of all types of high temperature and high performance control panels, locomotive and rolling stock control panels, signalling relay racks, elevator control panels, electrical motor winding lead out connections, etc. This product is used where above normal performance is required for fire prevention and where safety and reliability are of major concern. As this product has enhanced qualities and performance, it is used by public transport services.

Packaging

Available in 100 metre shrink-wrapped coils.



Specification (RE/EE/SP/015)

| | |
|---------------------|---|
| Voltage Rating | 500 Volts |
| Test Voltage | 2000 Volts |
| Temperature Range | -20° to +125°C |
| Flexibility Class | 5 |
| Conductor Type | Tinned flexible high conductivity copper |
| Insulation Material | Low-smoke, non-toxic, halogen-free, flame-retardant cross-linked polyolefin |



Technical Data

| Product Code | Size mm ² | Stranding No x Dia | Nominal Amps | Nominal Diameter | Mass kg/100m |
|----------------|----------------------|--------------------|--------------|------------------|--------------|
| SF001.5GNFRTCW | 1.5 | 28 x 0.26 | 19 | 3.5 | 2.09 |
| SF002.5GNFRTCW | 2.5 | 42 x 0.26 | 27 | 3.9 | 3.34 |
| SF004.0GNFRTCW | 4.0 | 48 x 0.31 | 35 | 4.6 | 5.01 |
| SF006.0GNFRTCW | 6.0 | 72 x 0.31 | 43 | 5.4 | 6.98 |
| SF010.0GNFRTCW | 10.0 | 126 x 0.31 | 60 | 6.8 | 11.89 |
| SF016.0GNFRTCW | 16.0 | 200 x 0.31 | 77 | 8.5 | 17.60 |
| SF025.0GNFRTCW | 25.0 | 312 x 0.31 | 100 | 10.0 | 27.81 |