

FIRE RETARDANT SINGLE FLEX

HALOGEN-FREE, FLAME-RETARDANT CROSS-LINKED
POLYOEFIN

SABS
ISO 9001

ALVERN CABLES RS/EE/SP/015

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Construction

High conductivity bunched, tinned flexible copper conductors, insulated with a low smoke, non-toxic, halogen-free, flame-retardant cross-linked polyoefin. 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.

Specification

(RS/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 polyoefin

Packaging

Available in 100 metre shrink-wrapped coils

TECHNICAL DATA

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