



Ref No: BCS15100FL

DESCRIPTION :

Fire Detection and Alarm System Cables

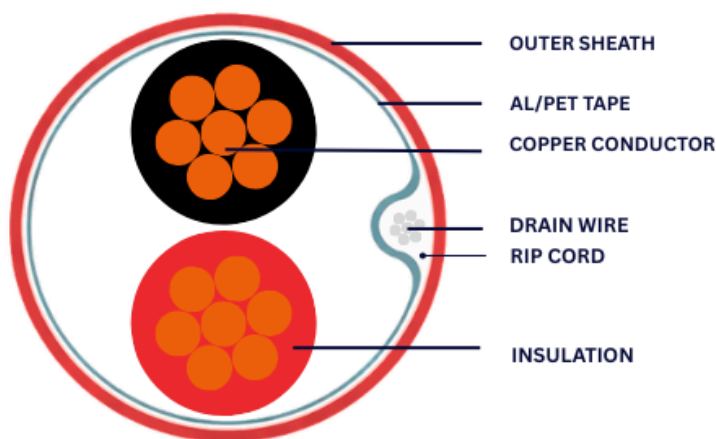
2-Core 14 AWG stranded bare copper conductors with PVC insulation and overall shielding, designed to ensure stable signal transmission, reduced electromagnetic interference (EMI), and reliable performance in fire detection and alarm systems for both residential and commercial installations.

APPLICATION :

Multi-Conductor PVC Shielded Cables Suitable for Fire Detection and Alarm Systems

CONSTRUCTION :

Cores	2 Core
Section	14 AWG
Conductor Material	Stranded Bare Copper (BC)
Insulation	Polyvinyl Chloride
Colour	Black, Red
Drain Wire	Tinned Copper wire
Screen (100% Coverage)	Aluminium/Polyester
Sheath Material	Flame-Retardant Polyvinyl Chloride
Sheath Color	Red
Standard Put Up Length	305, 500 meters



PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-40°C to +105°C
Nominal Cable Weight (kg/km)	56
Nominal Insulation Thickness (mm)	0.28
Nominal Sheath Thickness (mm)	0.5
Nominal Overall Diameter (mm)	5.1
Min. Bend Radius (install) (mm)	51
Max. Pull Tension (N)	550
Fire Retardancy	FPLR

TECHNICAL DATA & STANDARD REFERENCES

UL 1666 – UL1424 FPLR
RoHS Directives

ELECTRICAL CHARACTERISTICS

Capacitance Cond. To Cond.	249pF/m
Capacitance Cond. To Screen.	479pF/m
DC Resistance Conductor (Ω /km)	9.38 Ω /km
DC Resistance Screen (Ω /km)	53.8 Ω /km
Recommended Current at 25°C	18 (Amps)
Nominal Inductance	0.6 (μ H/m)
Operating Voltage	300 V (Vrms)

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