

2x1.5 mm² + 2x16 AWG STP Fire Alarm Indoor Cable

POWER & CONTROL

P/N 5M45878103

INDUSTRY

Applications

Control and audio applications, Indoor and outdoor use, Low-frequency data applications



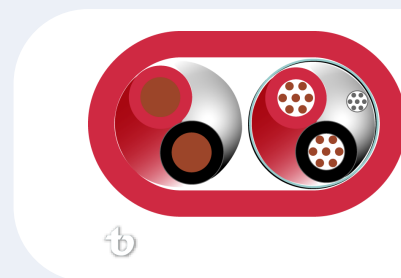
Outer Jacket Material
PVC



Outer diameter
10.5 mm nom.



Weight
95 kg/km



General Construction

Fire alarm outdoor cable contains:

- 1 - 1.5 mm² PVC twisted pair.
 - 1 - 16 AWG PVC insulated polyester/aluminum shielded pair.
- Under common PVC jacket.

Design & Materials

Detailed Construction

Basic Wires:

1. 1.5 mm²:
 - 1.1. Conductor: Solid BC, 1.39 mm nom.
 - 1.2. Insulation: PVC TB1 per IS 473, 2.2 mm nom. OD.
 - 1.3. Thickness: 0.4 mm nom.
 - 1.4. Color Code: Black, Red
2. 16 AWG:
 - 2.1. Conductor: Stranded BC, 7x0.495 mm nom., 16 AWG.
 - 2.2. Insulation: FR-PVC, 2.3 mm nom. OD.
 - 2.3. Thickness: 0.4 mm nom.
 - 2.4. Color Code: Black, Red.
 - 2.5. Individual Shield: A polyester/aluminum foil providing 100% coverage, laid in close contact with 20 AWG (7x0.32 mm) stranded TC drain wire.
3. Core Construction: Parallel formation (flat).

Outer Diameter (mm nom)	10.5
Outer Jacket Dimension – X (mm nom)	10.5
Outer Jacket Dimension – Y (mm nom)	6.0
Outer Jacket Thickness (mm nom)	0.6
Outer Jacket Color	Red
Marking	Per request
Outer Jacket Material	PVC

Electrical Properties

DC Resistance - 1.5 mm²: 12.1 Ω/Km @20° max.
DC Resistance - 16 AWG : 13.9 Ω/Km @20° max.

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Performance

Voltage Rating (V)	300
Min. Operating Temperature (°C)	-15
Max. Operating Temperature (°C)	+70

Standards

Flammability Rating
IEC 60332-1
UL 1581 VW-1

Applicable Standards
RoHS 3 2015/863/EU



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Version 1.4 | Last update: 2017-01-12