

2x1.5 mm² + 2x16 AWG FTP Fire Alarm & Fire Resistant Outdoor HFFR Cable INSTRUMENTATION & SIGNAL P/N 6MF5878103

INDUSTRY

Applications

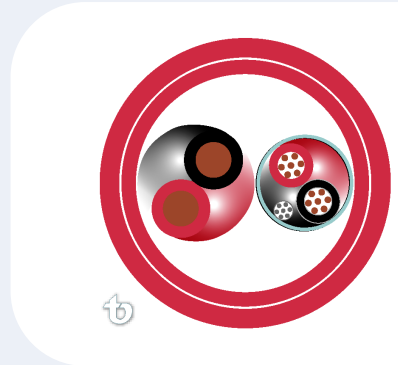
Process control industry, Fire alarm, Indoor, Outdoor



Outer Jacket Material
UV resistant HFFR



Weight
300 kg/km



General Construction

Fire alarm outdoor cable contains:

- 2 - 1.5 mm² PVC insulated wires.
- 1 - 16 AWG PVC insulated polyester/aluminum shielded pair.
- Double jacketed with an HFFR compound, colored Red.

Design & Materials

Detailed Construction

Basic Wires:

1. 1.5 mm²:
 - 1.1. Conductor: Solid BC, 1.39 mm nom.
 - 1.2. Insulation: PVC + Mica Tape, 3.3 mm nom. OD.
 - 1.3. Thickness: 0.75 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 + Mica Tape, 3.5 mm nom. OD.
 - 2.3. Thickness: 0.8 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).

Inner Jacket Material	HFFR
Inner Jacket Thickness (mm nom)	0.6
Inner Jacket Color	Red
Outer Jacket Dimension – X (mm nom)	17.6
Outer Jacket Dimension – Y (mm nom)	11.0
Outer Jacket Thickness (mm nom)	1.4
Outer Jacket Color	Red
Marking	Per request
Outer Jacket Material	UV resistant HFFR

Electrical Properties

2x1.5 mm² + 2x16 AWG FTP Fire Alarm & Fire Resistant Outdoor HFFR Cable

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

Performance

Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
Voltage Rating (V)	300
Min. Bend Radius (mm)	Dx8
Min. Operating Temperature (°C)	-15
Max. Operating Temperature (°C)	+70
UV Resistance	Yes
Fire Resistance	Yes

Standards

Flammability Rating
 IEC 60331-11
 IEC 60332-1
 UL 1581 VW-1

Applicable Standards
 RoHS 3 2015/863/EU



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Version 1.2 | Last update: 2023-05-23