



**Product Code: C4216F - HFFR**

Two Core Cable with Screen, use in Fire Detection and Alarm System, HFFR

**Product Description**

Two Core Screened, 16 AWG, Bare Copper, Halogen Fire Flame Retardancy, Low Smoke Non-Halogen HFFR

**TECHNICAL SPECIFICATION**

**Suitable Application** For Fire Detection and Alarm System

**Conductor**

Element	Conductor(s)
No. of Element	2 Core
Size	16 AWG
Material	Bare Copper

**Insulation**

Material	HFFR-Halogen Free Flame Retardancy
Nominal Thickness (mm)	0.40
Nominal Diameter (mm)	2.10±0.10x2c
Color Code	Black, Red

**Screen**

Foil/ Screen Material	Aluminum/Polyester
Nominal Thickness (mm)	0.90
Coverage	>=115%
Nom Diameter Drain Wire (mm)	0.75
Drain Wire	Tinned Copper

**Jacket - HFFR**

Nominal Diameter (mm)	6.10±0.20
Color	Red

**ELECTRICAL CHARACTERISTICS**

**Electrical**

Max Con DC Resistance at 20°C(Ω/km)	15.47
Max DC Resistance Screen at 20°C(Ω/km)	52.70
Max Recommended at 25°C (Amps)	11 Amps
20°C Ins Resistance (MΩ/km)	>200
Max Operating Voltage (Vrms)	300V

**MECHANICAL CHARACTERISTICS**

Operating Temperature (°C)	-40°C to +90°C
Bend Radius (mm)	61.0
Max Pull Tension	34.50 kg
Bulk Cable Weight	Approx. 59 kg/km

**STANDARDS & COMPLIANCE**

Flammability to Fire: IEC 30332-3-24

Smoke Density: IEC 61034

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