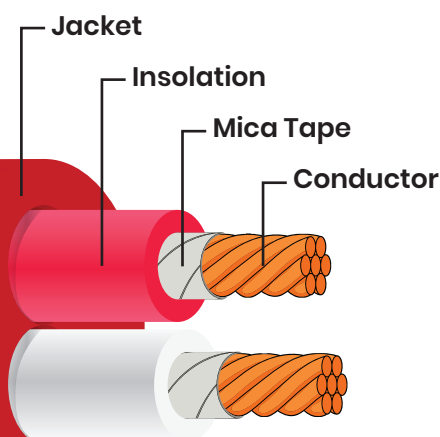


Fire Rated Alarm Cable – 2hr Fire Rated



Product Overview

Fire Factory Australia's 2hr Fire Rated Alarm Cable is a two-core cable for fire alarm and Emergency Warning and Intercommunication System (EWIS) applications. It combines stranded copper conductors with a double-layer mica tape flame barrier, low-smoke zero-halogen insulation, and a flame-retardant outer jacket.

The range is available in six conductor sizes, from 0.75 mm² to 6.0 mm². Each size is supplied in a 200 m length. The cable has a rated voltage of 250/250 V and an operating temperature range of -25°C to +110°C.



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Applications

- Fire alarm systems
- Emergency Warning and Intercommunication Systems

Cable selection should be based on the system design, required circuit performance and installation conditions.

Cable Construction

Component	Material or construction
Conductors	Stranded bare copper
Flame barrier	Double-layer mica tape
Insulation	Flame-retardant, low-smoke zero-halogen material (X-HF-110)
Wrapping tape	Fire-retardant LSZH tape
Outer jacket	Flame-retardant, low-smoke zero-halogen material (HFS-110-TP)

General Information

Property	Specification
Rated voltage	250/250 V
Operating temperature	-25°C to +110°C
Mechanical protection classification shown for all six models	WS51W
Core identification	Core 1: Red; Core 2: White
Supplied length	200 m



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Cable Construction

Product code	Conductor size	Cores	Stranding	Nominal insulation thickness	Nominal jacket thickness	Nominal overall diameter
RFR-2C-0.75	0.75 mm ²	2	7	0.70 mm	1.80 mm	9.80 mm
RFR-2C-1.00	1.0 mm ²	2	7	0.70 mm	1.80 mm	10.00 mm
RFR-2C-1.50	1.5 mm ²	2	7	0.70 mm	1.80 mm	10.30 mm
RFR-2C-2.50	2.5 mm ²	2	7	0.70 mm	1.80 mm	11.80 mm
RFR-2C-4.00	4.0 mm ²	2	7	0.70 mm	1.80 mm	13.70 mm
RFR-2C-6.00	6.0 mm ²	2	7	0.70 mm	1.80 mm	16.20 mm

Fire Factory Australia Red 2HR Fire Rated Cable



Standards

Aspect	Reference shown
Fire and mechanical performance	AS/NZS 3013
Cable construction	AS/NZS 5000.2
ACMA compliance	AS/CA S008
Conductors	AS/NZS 1125
Insulation and jacket	AS/NZS 3808
Markings	AS 1670:2018
Vertical flame spread	AS/NZS 1660.5.1, Section 6, Category C; AS/NZS IEC 60332-3-24
Smoke density	AS/NZS 1660.5.2; AS/NZS IEC 61034
Halogen gas	AS/NZS 1660.5.3; AS/NZS IEC 60754-1
Acidity of gases	AS/NZS 1660.5.4; AS/NZS IEC 60754-2
Vertical flame propagation	AS/NZS 1660.5.6; AS/NZS IEC 60332-1



Contact: Fire Factory Australia

Fire Factory Australia periodically improves its products. As a result, product specifications and details may change without prior notice. Please contact us to confirm the latest information before ordering.

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