

FEATURES

- ✓ 2HR Fire Rated
- ✓ AS/NZS 3013 Approved
- ✓ AS/NZS 5000.2 Approved
- ✓ AS/CA S008 Compliant
- ✓ AS 1670:2018 Markings
- ✓ ActivFire Certified
- ✓ RCM Certified
- ✓ 110°C continuous operation
- ✓ Low smoke zero halogen
- ✓ Flame retardant
- ✓ Easy to strip and terminate
- ✓ 8-10 twists per meter
- ✓ Small outside diameter



PRODUCT DESCRIPTION

FireSense fire rated cables have been specifically designed for use with Australian Fire Alarm and EWIS systems.

Our cables have been independently tested and approved by Warrington Fire to the requirements of AS/NZS 3013 for both fire and mechanical cable properties. All FireSense cables are certified 2 hour fire rated and are the only fire rated cables in Australia to have ActivFire Certification.

FireSense fire rated cables have also been tested and approved to electrical standards AS/NZS 5000.2 and communication/wiring standard AS/CA S008 by respective industry testing authorities.

It is a requirement of AS/NZS 1670.1, 1670.4, 1668.1 & 4214 that cables be approved to AS/NZ 3013 and AS/CA S008.

The cable's copper conductors and firm insulation material allows for neat placement on cable trays and allows ease of stripping and termination.

It is recommended that FireSense stainless steel cable ties be used for fixing cable to tray every 1.0 meter when mounted horizontally and every 0.6 metres when mounted vertically. When fixing FireSense fire rated cables to catenary wire our manufacturer's recommendation is as follows:

If cable bunch is ≥ 25 mm diameter cables should be supported with stainless steel ties every 300mm.
If cable bunch is < 25 mm diameter cables should be supported with stainless steel ties every 600mm.

ORDERING INFORMATION

Part Number	No. of Cores	Cross Section (mm ²)	Copper Wire Diameter (mm)	Approx Overall Diameter (mm)	AS/NZS 3013 Classification	Drum Length
FR-1.50-4C	4	1.50	0.52	12.0	WS52W	250m, 500m

TECHNICAL SPECIFICATIONS

Conductors	Stranded Annealed Copper
Flame Barrier	Mica Tape
Insulation	Flame Retardant, Low Smoke, Zero Halogen (X-HF-110)
Sheath	Flame Retardant, Low Smoke, Zero Halogen (HFS-110-TP)*
Voltage Rating	450/750V
Operating Temperature	-25°C to +110°C
Insulation Colour	Red, White, Black, Blue
Sheath Colour	Red
Min Bending Radius	10 x Cable Diameter

* Please note: LSZH HFS-110-TP sheath material is UV stabilised but red colour may be subject to fading over time if exposed to direct sunlight.

STANDARDS COMPLIANCE

Fire & Mechanical	AS/NZS 3013 Appendix A,B,D,E
Conductors	AS/NZS 1125 Class 2, IEC 60228
Cable Construction	AS/NZS 5000.2
Vertical Flame Spread	AS/NZS 1660.5.1
Smoke Density	AS/NZS 1660.5.2, IEC 61034
Halogen Gas	AS/NZS 1660.5.3, IEC 60754 -1 & 2
Acidity of Gases	AS/NZS 1660.5.4
Vertical Flame Propagation	AS/NZS 1660.5.6, IEC 60332-1, IEC 60332-3-24
ACMA Compliance	AS/CA S008

APPROVALS

Part Number	AS/NZS 3013			AS/NZS 5000.2	
	Rating	Certificate No.	Issuer	Certificate No.	Issuer
FR-1.50-4C	WS52W	SFC24560b-R5.0	Warrington Fire	ASA-181007-EA	ASA

ActivFire Listing No.	afp-2417
-----------------------	----------

RCM Responsible Supplier	E6560	Level 3	ASA-181007-EA
--------------------------	-------	---------	---------------



CLASSIFICATION

AS/NZS 3013 is a classification system which defines the performance of a Wiring System (WS). The classification system prefix is 'WS' followed by two numerals and a supplementary letter W. ie

AS/NZS 3013 Fire Rated Cable Technical Information

Classification of the fire and mechanical performance of wiring system elements:

AS/NZS 3013 is a classification system which defines the performance of a Wiring System (WS). The classification system prefix is 'WS' followed by two numerals and a supplementary letter W. ie.

