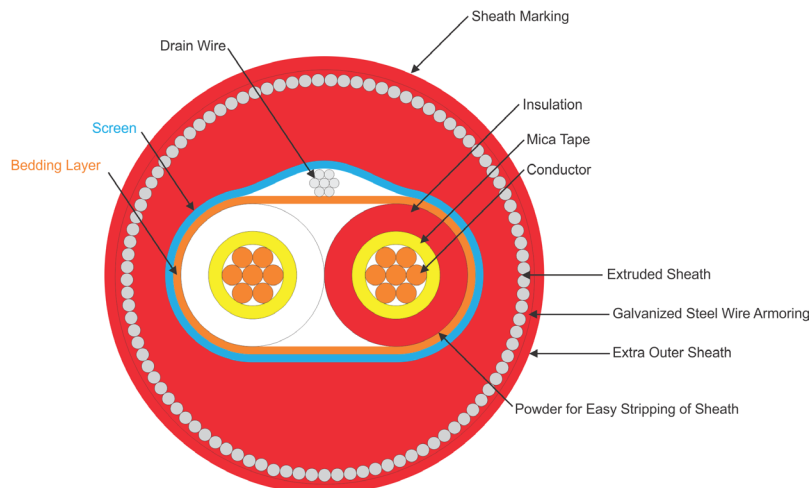


#### FEATURES

- ✓ 2HR Fire Rated
- ✓ AS/NZS 3013 Approved
- ✓ AS/NZS 5000.2 Approved
- ✓ AS/CA S008 Compliant
- ✓ ActivFire Certified
- ✓ RCM Certified
- ✓ 110°C continuous operation
- ✓ Flame retardant
- ✓ Easy to strip and terminate
- ✓ Low smoke zero halogen (PVC Free)
- ✓ Third Party Accredited
- ✓ 450/750V rated
- ✓ Twisted inner cores
- ✓ Overall screened
- ✓ Steel wire armour for rodent protection



#### 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. All FireSense fire rated series cables are made from LSZH materials and have received third party PVC Free 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.

The cable's copper conductors and firm insulation material allows for neat placement on cable trays and allows ease of stripping and termination. The overall screening reduces the electrical noise & reduces the impact on signals.

For applications requiring additional protection, this cable's inner sheath and conductors are further protected by a galvanised steel wire armouring, as well as a red outer sheath.

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 the recommendation is as follows:

If cable bunch is  $\geq 25\text{mm}$  diameter, cables should be supported with stainless steel ties every 300mm.

If cable bunch is  $< 25\text{mm}$  diameter, cables should be supported with stainless steel ties every 600mm.

**ORDERING INFORMATION**

Part Number	No. of Cores	Cross Section (mm <sup>2</sup> )	Copper Wire Diameter (mm)	Approx Overall Diameter (mm)
FR-1.50-2CS+SWA	2	1.50	0.52	15mm

*\*Note: Steel wire armouring is applied externally to our FR-1.50-2CS.*

**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 and white
Inner Sheath Colour	Red
Min Bending Radius	10 x Cable Diameter
Overall Screen	Aluminium/polyester laminate
Galvanised Steel Wire Armouring	0.8mm Strands
Outer Sheath	Flame Retardant, Low Smoke, Zero Halogen (HFS-110-TP)*

\* 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
ACMA Compliance	AS/CA S008
ACMA Supplier Code	N24281

**APPROVALS**

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

