

## PRODUCT DATA SHEET

# 6 Core 2HR Fire Rated Cable

### **FEATURES**

- 2HR Fire Rated
- $\checkmark$ AS/NZS 3013 Approved - WS52W
- AS/NZS 5000.2 Approved
- AS/CA S008 Compliant
- 110°C continuous operation
- Flame retardant
- Small outside diameter
- Easy to install on cable tray
- Easy to strip and terminate
- 4 twists per meter
- ActivFire Certified
- **RCM** Certified
- Low smoke zero halogen (PVC Free) Third Party Accredited

## 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 from GECA (Good Environmental Choice Australia).

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.

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  $\geq 25$  mm diameter cables should be supported with stainless steel ties every 300 mm. If cable bunch is < 25mm 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)	AS/NZS 3013 Classification	Drum Length
FR-1.50-6C	6	1.50	0.52	16.0	WS52W	250m, 500m

VIC Unit 4, 297 Ingles St PORT MELBOURNE 3207 03 9646 4557 salesvic@firesense.com.au OLD Unit 2, 225 Queensport Rd North MURARRIE 4172 07 3890 8842 salesold@firesense.com.au











## **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	White numbered cores
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
Cable Construction	AS/NZS 5000.2
ACMA Compliance	AS/CA S008
Conductors	AS/NZS 1125
Insulation	AS/NZS 3808
Sheath	AS/NZS 3808
Cable	AS/CA S008
Cable Performance	AS/NZS 4507 (RHE-3)
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 Propogation	AS/NZS 1660.5.6, AS/NZS IEC 60332-1

QLD Unit 2, 225 Queensport Rd North MURARRIE 4172 07 3890 8842 salesqld@firesense.com.au





## **APPROVALS & CERTIFICATION**

Part Number	AS/NZS 3013			AS/NZS 5000.2		
Part Number	Rating	Certificate No.	Issuer	Certificate No.	Issuer	
FR-1.50-6C	WS52W	SFC24560e-R5.0	Warrington Fire	GMA-511152	Global Mark Pty Ltd	

ActivFire Listing Number	afp-2417			
RCM Responsible Supplier	E6560	Level 3	GMA-511152	
GECA Claims Authentication License Number	Fir-2021			
Bureau Veritas CoC Number	2835			

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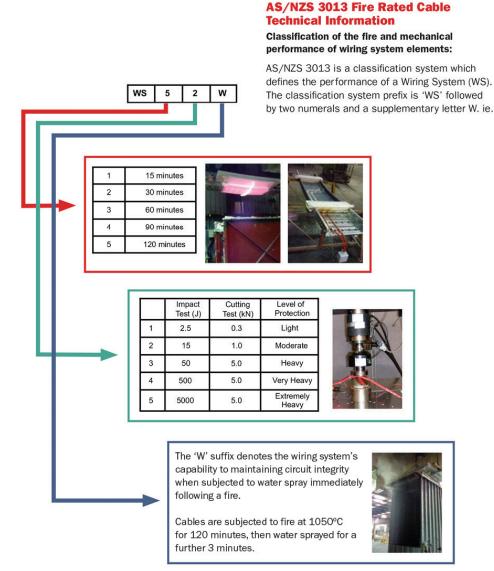




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#### CLASSIFICATION

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



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