

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 ≥ 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 ²) | 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 |

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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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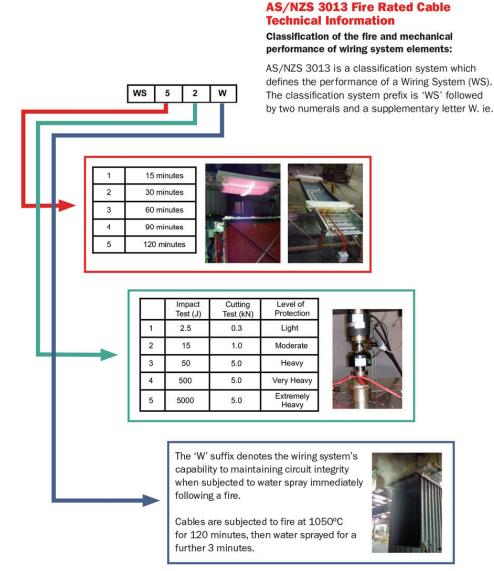




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CLASSIFICATION

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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