

Fire



FireSense
FIRE ALARM EQUIPMENT



**Fire Alarm
Cables
and
Accessories**



www.firesense.com.au

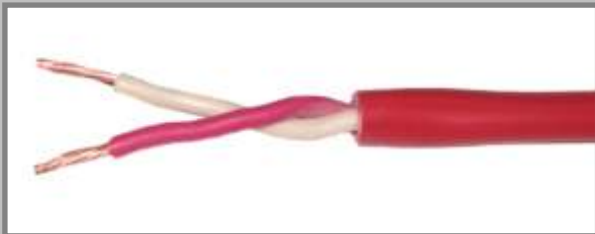
TPS Cables



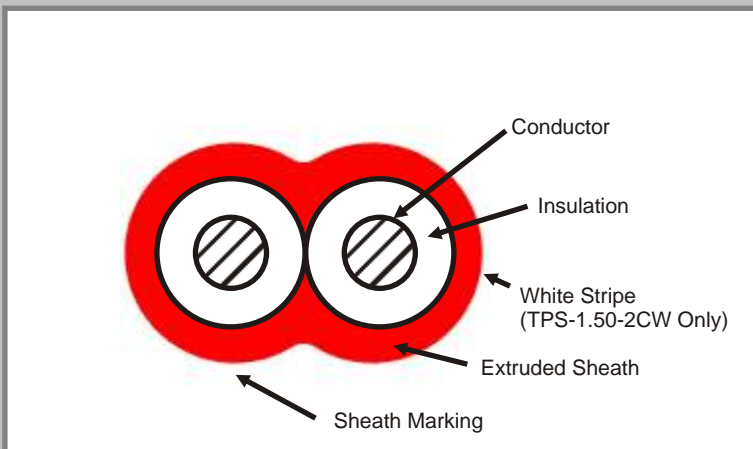
TPS-0.75-2C / TPS-1.50-2C



TPS-1.50-2CW



TPS 1.50-2CT



FireSense manufactures its own proprietary range of red TPS cables, specifically designed for use with fire alarm and EWIS systems.

FireSense TPS cables are ideally suited for cabling from the Fire Alarm, OWS and EWIS panels to detectors, speakers, horns, strobes, field modules, etc.

FireSense TPS cables are double insulated and have an "easytear" sheath making these cables easy to strip and terminate, saving valuable installation time.

In addition to the basic flat cable design, a white stripe cable is available to allow installer to easily distinguish between speaker and detector circuits..

Also available is a twisted TPS cable ideal for use with addressable fire panels, detectors and devices.

All FireSense TPS cables comply with AS/ACIF S008 as required by AS1670.



Part Number	No. of Cores	Cross Section	Conductor Strands/Dia	Core Lay Up	Overall Size	Drum Length
TPS-0.75-2C-200	2	0.75 mm ²	7 / 0.37	Flat	6.4 x 4.1	200M
TPS-1.50-2C-200	2	1.50 mm ²	7 / 0.52	Flat	7.2 x 4.5	200M
TPS-1.50-2CW-200	2	1.50 mm ²	7 / 0.52	Flat	7.2 x 4.5	200M
TPS-1.50-2CT-200	2	1.50 mm ²	7 / 0.52	Twisted	7.2 x 5.0	200M

Fire Resistant Cables

FireSense manufactures its own range of proprietary fire resistant cables, specifically designed for use in fire alarm and EWIS systems.

FireSense Fire Resistant Cables have been designed and approved to Australian Standards AS/NZS 3013:2005 by independent Australian testing labs for both fire and mechanical protection. Cables are also approved to AS5000.2 electrical standard and meet all requirements of AS/ACIF S008.

Cable compliance with AS/NZS 3013 and AS/ACIF S008 is a mandatory requirement of AS/NZS 1670.1, AS/NZS 1670.4, AS/NZS 1668, AS/NZS 4214 and AS/NZS 2118.

Reduced cable outside diameter provides ease of installation in conduits, confined panel spaces and field ancillaries. The cable's semi rigid feature allows easy and neat placement on cable trays.

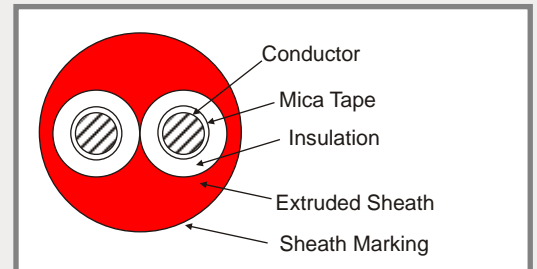
All FireSense fire resistant cables are twisted, making them ideally suited for use with addressable fire and alarm systems.

All FireSense fire resistant cables are 2 hour fire rated.

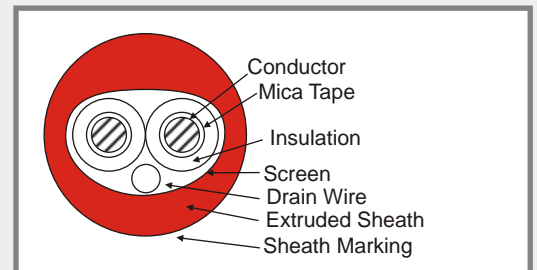
- ✓ Australian Approvals:
 - AS/NZS 3013
 - AS/NZS 5000.2
 - AS/ACIF S008
- ✓ 450/750V Rated
- ✓ Low Smoke
- ✓ Zero Halogen
- ✓ Flame Retardant
- ✓ Small outer diameter
- ✓ Easy to install on cable tray
- ✓ Easy to strip and terminate



2 Core Fire Resistant Cable



2 Core Screened Fire Resistant Cable



Part Number	No. of Cores	Cross Section	Conductor Strands/Dia	Overall Diameter	AS/NZS 3013 Classification	Drum Length
2 Core						
FR-0.75-2C-250	2	0.75 mm ²	7 / 0.37	9.6 mm	WS51W	250M
FR-0.75-2C-500	2	0.75 mm ²	7 / 0.37	9.6 mm	WS51W	500M
FR-1.00-2C-250	2	1.00 mm ²	7 / 0.42	9.9 mm	WS51W	250M
FR-1.00-2C-500	2	1.00 mm ²	7 / 0.42	9.9 mm	WS51W	500M
FR-1.50-2C-250	2	1.50 mm ²	7 / 0.52	10.3 mm	WS52W	250M
FR-1.50-2C-500	2	1.50 mm ²	7 / 0.52	10.3 mm	WS52W	500M
2 Core Screened						
FR-0.75-2CS-500	2	0.75 mm ²	7 / 0.37	10.1 mm	WS51W	500M*
FR-1.50-2CS-500	2	1.50 mm ²	7 / 0.52	10.5 mm	WS52W	500M*

* Screened cables also available in custom lengths of 50M increments



Approval Certificates to AS/NZ3013:2005





Fire Resistant Cable Technical Information

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

AS3013 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.

WS	5	2	W
----	---	---	---



The First numeral indicates the wiring system's ability to maintain circuit integrity during a fire condition.

1	15 minutes
2	30 minutes
3	60 minutes
4	90 minutes
5	120 minutes



The Second numeral indicates the wiring system's degree of mechanical protection due to cutting and impact load.

	Impact Test (J)	Cutting Test (kN)	Level of Protection
1	2.5	0.3	Light
2	15	1.0	Moderate
3	50	5.0	Heavy
4	500	5.0	Very Heavy
5	5000	5.0	Extremely Heavy



The 'W' suffix denotes the wiring system's capability to maintaining circuit integrity when subjected to water spray immediately following a fire.

Cables are subjected to flame for 120 minutes, then water sprayed for a further 3 minutes.





Cable Accessories



Cable Stripper

FRC-STR1

- ✓ Easy and safe to use
- ✓ Ideal for Fire Rated Cables
- ✓ Automatically adjusts to cable diameter
- ✓ Suitable for cables 8mm to 13mm OD
- ✓ Lengthwise cutting blade
- ✓ Inner slide blade
- ✓ Conductor stripping device 0.2mm to 4.0mm
- ✓ Locks closed when not in use
- ✓ Convenient belt clip



The FireSense Fire Rated Cable Stripper is an easy to use cable stripper suitable for all common round cables from 8 mm up to 13 mm diameter.

The sheath cutting depth automatically adjusts to the respective diameter of the cable.

The FRC-STR1 is excellent for working in tight locations, especially within panels and DGP.

The FRC-STR1 also includes a clip for fastening to clothing, a blade for lengthwise cut, an inner slide blade and a stripping device which facilitates stripping of conductors of 0.2 up to 4.0 mm².

Stainless Steel Cable Ties

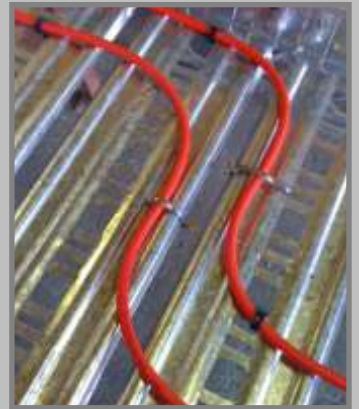
SST-360 & SST-200



SST-360



SST-200



Stainless Steel Cable Ties in use

Stainless Steel Cable Tie Gun

SST-GUN

- ✓ For use with Stainless Steel Cable Ties
- ✓ Easy to use
- ✓ Adjustable tension
- ✓ Built in cutter
- ✓ Suits cable ties up to 0.3mm thick and 7.9mm wide



FireSense



FireSense is a specialist supplier of Electronic Fire Alarm and Sprinkler equipment to installation companies.

With over 20 years experience, FireSense provides comprehensive technical and commercial support to it's customers from tendering to installation and commissioning

FireSense prides itself on technical expertise, competitive pricing, prompt delivery of most items ex stock and good old fashioned Service.

The FireSense Difference

- ✓ Personalised service
- ✓ Fast, efficient delivery of goods
- ✓ Programming and onsite technical assistance as required.
- ✓ Custom built panels a speciality
- ✓ Prompt and competitive quotations
- ✓ Independently owned and operated.

**Unit 6
16 Lexington Drive
Norwest Business Park
Bella Vista NSW 2153
Australia**

**Ph: (02) 8850 2888
Fax: (02) 8850 2999**



FireSense proudly distributes products manufactured by the following companies:



www.firesense.com.au