PRODUCT DATA SHEET

## FEATURES

$\checkmark$ AS/NZS 3013 (2005)
$\checkmark \quad$ Flame Retardant AS 1660.5.1 (IEC 60332-3)
$\checkmark \quad$ Zero Halogen AS 1660.5.4 (IEC 60754-1)
$\checkmark \quad$ Low Smoke AS 1660.5.2 (IEC 61034-2)
$\checkmark \quad$ Zero Corrosive Gases AS 1660.5.4 (IEC 60754-2)

## PRODUCT DESCRIPTION

This 2 pair fire rated telephone cable has been designed to suit AS/NZS 3013 requirements and provides a fire rated voice cable for essential services such as lift telephones \& secure data networks.

The cable is flame retardant, halogen free, high temperature resistant to $125^{\circ} \mathrm{C}$, emit no corrosive gases and virtually no smoke in fire, making them ideal for use in sensitive areas like data centres.

## TECHNICAL SPECIFICATIONS

| Maximum Temp. Range | $-40^{\circ} \mathrm{C}$ to $+125^{\circ} \mathrm{C}$ |
| :--- | :--- |
| Data Transmission Characteristic | Category 3 |
| Austel Approved | A93/CA/0097 (2 pairs) |
| Core Colours | According to Austel Technical Standard TS008 |
| Sheath Colour | Red |
| Conductors | Plain Copper Wire |

ORDERING INFORMATION

| Part Number | No. of <br> Twisted <br> Pairs | Cross <br> Section <br> $\left(\mathrm{mm}^{2)}\right.$ | Stranding <br> No. / $\varnothing$ <br> $(\mathrm{mm})$ | Core <br> Diameter <br> $(\mathrm{mm})$ | Approx <br> Overall <br> Dia $(\mathrm{mm})$ | AS/NZS 3013 <br> Classification | Classification <br> Acc. AS/NZS <br> 3013 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FR-0.375-4C | 2 | 0.375 | $1 / 0.69$ | 1.75 | 6.1 | 7.8 | WS51W |

## 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.


|  | Impact <br> Test (J) | Cutting <br> Test (kN) | Level of <br> 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 <br> 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 fire at $1050^{\circ} \mathrm{C}$ for 120 minutes, then water sprayed for a further 3 minutes.


