

FEATURES

- ✓ Flat/Twisted – ELV markings as per AS 1670.2018
- ✓ White Stripe – LV markings as per AS 1670.2018
- ✓ Low smoke, low toxicity
- ✓ Red sheath for fire alarm application
- ✓ Easy to strip and terminate
- ✓ AS/CA S008 compliant
- ✓ Metre markings
- ✓ 500m rolls only
- ✓ Halogen Free
- ✓ Low Smoke Zero Halogen (PVC Free) third party accredited



PRODUCT DESCRIPTION

FireSense LSZH TPS cables are made from low smoke materials which are ideally suited for Green Star or Halogen Free applications. Insulation and sheath materials used are also low smoke, low acid and low toxicity which is ideal for use in underground environments.

FireSense LSZH TPS cables are double insulated and have a red outer sheath clearly marked as “fire alarm cable” which is easy to strip and terminate.

A white stripe version is available for speaker circuits to AS 1670:2018. A twisted cable is available for the cabling between addressable fire panels, detectors and devices. The non-white TPS cable can be used for some detection circuits. Refer to each panel manufacturer for their wiring requirements.

TECHNICAL SPECIFICATIONS

Conductors	Stranded annealed copper
Insulation	HFI-90-TP
Insulation Colour	Red, White
Sheath	HFS-90-TP
Sheath Colour	Red
Voltage Rating	250/250V (Not for mains supply)
AS1670.2018 Sheath Marking	Flat/Twisted: ELV FIRE White stripe: LV FIRE
Weight Per Metre (kg)	0.06

ELECTRICAL SPECIFICATIONS

Part Number	Resistance (Ω /km)	Capacitance (pF/m)	Inductance (μ H/m)
TPSHF-1.50-2C	12.8	75	0.68
TPSHF-1.50-2CT	12.5	88	0.65
TPSHF-1.50-2CW	12.8	75	0.68

STANDARDS

Mechanical	AS/NZS 3013
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 Propagation	AS/NZS 1660.5.6

ORDERING INFORMATION

Part Number	Cores	Cross Section (mm ²)	No. of Conductors x diameter (mm)	Core Lay Up	Overall Size
TPSHF-1.50-2C	2	1.50	7 x 0.52	Flat	7.2 x 4.5
TPSHF-1.50-2CT	2	1.50	7 x 0.52	Twisted	7.2 x 5.0
TPSHF-1.50-2CW	2	1.50	7 x 0.52	Flat	7.2 x 4.5

APPROVALS & CERTIFICATION

ACMA Supplier Number	N24281
Bureau Veritas CoC Number	2835