

**PRODUCT INFORMATION**

**Product Name:** FireSense TPSHF Low Smoke Zero Halogen Cable  
**Trade Name:** FireSense TPSHF Low Smoke Zero Halogen Cable  
**Products Ranges:** TPSHF-XX-2C; TPSHF-XX-2CT; TPSHF-XX-2CW

**Name of Company:**

FireSense Pty Ltd  
18-20 Brookhollow Ave  
Norwest NSW 2153 Australia  
**Telephone:** (02) 8850-2888 **Fax Number:** (02) 8850-2999  
**Date Issued:** January 1st, 2022

**Statement of Hazardous Nature:**

Not classified as hazardous according to criteria of Worksafe Australia

**Classification:**

**Dangerous Goods and Subsidiary Risk:** None Allocated

**Hazchem Code:** None Allocated

**Poison Schedule Number:** None Allocated

**Physical Description:**

Red outer sheath electrical cables, diameter between 5mm and 20mm supplied on plastic drums.

**COMPOSITION**

Cable	Copper	LSZH Insulation	LSZH Sheath
Boiling/Melting Point	2562°C/1083°C	90°C	90°C
Flash Point	N/A	N/A	>200°C
Flammability	N/A	Self-extinguishing	Self-extinguishing
Solubility	N/A	N/A	N/A

Drum	Plastic
Flash Point	>200°C
Solubility	Yes

**INGREDIENTS**

Cable is comprised of fine stranded annealed copper, insulated in Halogen Free insulation material and then sheathed in Halogen Free Sheath.

Cable	Copper	LSZH (Halogen Free) Insulation	LSZH (Halogen Free) Sheath
	99.9% Pure Annealed Copper	EVA Polyethelene	EVA Polyethelene
% Weight	90%	4%	6%

### ROHS REACH 181 COMPLIANCE TEST RESULTS

Material	Result
Lead	Not Detected
Cadium	Not Detected
Mercury	Not Detected
Hexavent Chromium	Not Detected
Polybrominated Biphenyls	Not Detected
Polybrominated Diphenyl Ethers	Not Detected
Halogen - Flourine	Not Detected
Halogen - Chlorine	Not Detected
Halogen - Bromine	Not Detected
Halogen - Iodine	Not Detected
Beryllium	Not Detected
Phthalates	Not Detected

### HEALTH HAZARD INFORMATION

#### Acute

Adverse health effects will not arise if cable is handled and used correctly by trained and competent personnel in accordance with work safety practices and industry codes and standards.

#### In case of fire

Even though these cables have self-extinguishing properties the LSZH insulation and LSZH sheathing materials can generate dense fumes of compounds including carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and oxides of nitrogen (NO<sub>x</sub>). Direct exposure to these fumes will cause severe irritation to the eyes, nose, throat and lungs.

In the case of a fire, there is also the possibility that the cable could emit copper fumes when burning at high temperatures. Exposure to copper fumes may result in headache, cold sweat and weak pulse.

#### Chronic

Prolonged exposure to concentrated fumes emitted by LSZH will cause asphyxiation followed by death.

### First Aid

**Inhalation:** Breathing difficulties caused by inhalation of particulate or wood dust requires the immediate removal of the patient to fresh air. Likewise, breathing difficulties caused by the inhalation of fumes emitted by burning Thermoplastic material or copper requires the immediate removal of the patient to fresh air.

**Ingestion:** Induce vomiting immediately as directed by medical personnel for the ingestion of particulate. Give water to drink for the ingestion of wood dust – if abdominal discomfort occurs seek medical attention.

**Skin:** Thoroughly wash skin cuts to remove all particulate and wood dust from the wounds. Seek medical attention for wounds that cannot be thoroughly cleaned. Treat cuts and wounds with standard first aid practices.

**Eyes:** Immediately flush with plenty of water for 15 minutes. Get medical attention immediately.

**First Aid Facilities:** Eye wash fountains and first aid kits should be available for emergency use.

### HANDLING AND STORAGE

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**Handling:** Use mechanical lifts to manoeuvre drums into position and rollers to allow ease of removal of cable.

**Storage:** Store in a cool, dry, well ventilated area and away from combustible materials, sources of ignition, excessive heat.

### CONTACT

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For further information, contact FireSense - (02) 8850 2888.