

## SAA certificated red flat TPS cable for fire alarm 250/250V

**Rated voltage:** 250/250V

**Conductor:** Oxygen free plain copper wire, class 2 conductor type

**Insulation:** V-90 PVC, V-75 PVC or LSZH

**Insulation Color:** Red, White, Black

**Sheath:** easy tear 3V-90 PVC or LSZH

**Sheath color:** Red

**Max. operating temperature:** 75°C,90°C



### Features:

- Compliant to AS1670.2015
- Red Sheath for Fire Alarm Application
- Easy to strip and terminate
- Available with White Stripe for speaker circuit identification
- Twisted version available for addressable systems
- AS/ACIF S008 compliant
- Metre markings
- 200m and 500m Rolls
- PVC Best Practice Certified

## Product characteristics:

Flame retardant, Fire resistance,UV resistance, RoHS compliant

## Product application:

Suitable for cabling from the fire alarm, OWS and EWIS panels to detectors, speakers, horns, strobes, field modules, etc.

### Standards:

<b>Conductors:</b>	AS/NZS 1125
<b>Insulation:</b>	AS/NZS 3808
<b>Sheath:</b>	AS/NZS 3808
<b>Cable:</b>	AS/ACIF S008
<b>ACMA Supplier Code No:</b>	N 24281

### Construction:

<b>Conductors:</b>	Stranded Annealed Copper
<b>Insulation:</b>	PVC V-90
<b>Insulation Color:</b>	Red, White
<b>Sheath:</b>	PVC V-90
<b>Sheath Color:</b>	Red
<b>Voltage Rating:</b>	250/250V (Not suitable for Mains Supply)

Cores	Cross Section	Conductor	Core Lay Up	Lengths	Insulation /Sheath	Overall Size
	(mm <sup>2</sup> )	No./Dia			Thickness	
2	0.75	7 / 0.37	Flat	200/500	0.6 / 0.8	6.4 x 4.1
2	1.50	7 / 0.52	Flat	200/500	0.6 / 0.8	7.2 x 4.5

Cores	Cross Section	Conductor	Core Lay Up	Lengths	Insulation /Sheath	Overall Size
	(mm <sup>2</sup> )	No./Dia			Thickness	
2	1.00	7 / 0.42	Flat*	200/500	0.6 / 0.9	7.2 x 4.3
2	1.50	7 / 0.52	Flat *	200	0.6 / 0.9	7.2 x 4.5

## Quality Comparison

### Purity of copper



**Excellent**

99.93% Oxygen Free Copper ,  
Bright color with long life time .



**Inferior**

Copper including a lot of impurity  
Easy heat, short life Easily cause fire

### Flame Test



**Excellent**

No spread , and release a little  
white smoke



**Inferior**

Keep burning , and pop a lot of black  
HCL toxic smoke

### Resistance Test



**Excellent**

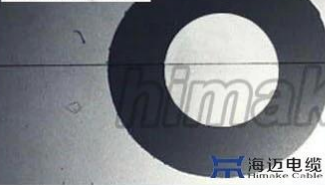
low resistivity, high conductivity



**Inferior**

High resistivity, High consumption .  
Easy to burning .

### Eccentricity Ratio



**Excellent**

Insulation thickness uniformity



**Inferior**

Insulation thickness nonuniform  
Easy electric leakage fire disaster,

### High Pressure Test



**Excellent**

Jacket no any damage



**Inferior**

Jacket damaged , reveal conductor

### High Temperature Test



**Excellent**

Jacket no any damage



**Inferior**

Jacket damaged , reveal conductor

### Low Temperature Test



**Excellent**

Jacket no any damage



**Inferior**

Jacket damaged , reveal conductor

