



Chongqing Hi-Sea Marine Equipment Import & Export Co.,Ltd.

重庆海盛船舶设备进出口有限公司

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## AS Standards Fire Resistant Cable

### AS Standards Fire Resistant Cable Application

AS Standards Fire Resistant Cable generally applicable to U0 / U is 450/750V, fire protection and security systems and power control circuit transmission line, especially shopping malls, entertainment, markets, substations and other crowded places and high-risk areas.

Standards: AS/NZS 3013, IEC60332

### AS Standards Fire Resistant Cable Features

- (1) conductor material: annealed copper wire anaerobic Class 2
- (2) Insulation Material: XLPE (ie YJV or XLPE), can also be used irradiated cross-linked LSZH fuel resistance.
- (3) sheath material: irradiated cross-linked LSZH fuel resistance.
- (4) Rated voltage: 450/750V
- (5) fire rating: highest fire rating up to two hours, are higher than ordinary cables and fire retardant cable rating.
- (6) production standards: The Cable produced strict accordance AS/NZS3013, its fire protection requirements higher than GB/T19666 and IEC60332.

### AS Standards Fire Resistant Cable Service Condition

- (1) rated voltage U0 / U is generally 450/750V, we can also produce U0 / U is 0.6/1kV the Australian standard fire resistant cable.
- (2) continuous working temperature generally does not exceed 110 °C.
- (3) Maximum operating temperature (within 5 seconds) should not exceed 250 °C.
- (4) common flame retardant cables, fire-resistant cables and LSZH cables, can not replace the Australian standard fire lines, fire effects are certainly not up to two hours.
- (5) mica thickness of the Australian standard fire lines shall not be less than 0.5mm, and its overlapping winding ratio shall not be less than 25%.
- (6) the bending radius must be greater than of 25 times outer diameter.

### AS Standards Fire Resistant Cable Specification

Rated Voltage (V)	Nominal Area (mm <sup>2</sup> )	Conductor		Insulation			Sheath			Fire resistant Material	Outer Diameter (mm)	Package
		Material	Structure (pc/mm)	Material	Thickness (mm)	Color	Material	Thickness (mm)	Color			



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450/ 750	2 x 0.75	Catego ry 2	7/0.3 7	XLPE  LSZH  (Irradiat ed Cross-lin ked)	0.7	Red+W hite	( Irradia ted Cross-lin k)	1.2	Re d	Mica tape	7.8	200m/ roll  500m/ roll  250m/ roll		
	2 x 0.75 + E		7/0.3 7								0.7		1.2	8.2
	2 x 1.50		7/0.5 2								0.7		1.2	9.2
	2 x 1.50 + E		7/0.5 2								0.7		1.2	9.5
	4 x 1.5		7/0.5 2								0.7		1.2	13.4
	2 x 2.5		7/0.6 7								0.7		1.2	12.2
	2 x 2.5 + E		7/0.6 7								0.7		1.2	13.3

Note:

- 1.Shield layer is available.
2. Insulation and sheathing materials are irradiated cross-linked LSZH fire resistant material.
3. Maximum working temperature can reach 125 °C , the best fire effect can be achieved 2 hours.
- 4 other model and specifications of Australian standard fire resistant cable can be produced as per customer required.

AS Standards Fire Resistant Cable Show

