



HOSIWELL

Worldwide leading cable manufacturer

**Fire Resistant
Instrumentation Cable**

Fire Resistant Instrumentation Cables Single & Multi-Pair

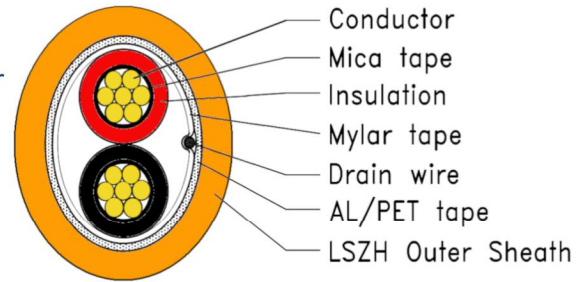


Fire resistant Instrumentation Cables from HOSIWELL is suitable to use for installation in signaling & fire alarm system. This cable is constructed with Mica Tape, XLPE Insulation, 100% Aluminum Foil – Polyester Tape Shield, with LSZH Outer Jacket.

CABLE CONSTRUCTION

P/N IF10001P-LSZH-FR

Conductor	Bare Copper Wire (Class 2)
Fire Barrier	Mica tape wrapping double layer
Insulation	XLPE. Colour White + Black
Core Binders	Mylar Tape Wrapping
Drain Wire	Tinned Copper wire
Shielding (Coverage 100%)	Aluminum Foil-Polyester Tape
Outer Jacket, Color	LSZH, Orange



PHYSICAL CHARACTERISTICS

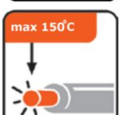
No of Pair	1
Cross-Sectional Area	1.00 mm ²
Approx. Conductor Dia.	1.32 mm
Insulation Diameter	3.20 ± 0.05 mm
Drain Wire Size	0.56 mm ²
Jacket Thickness	0.90 mm
Jacket Avg. Thickness	1.00 mm
Approx. Dia. of Cable	7.80 ± 0.20 mm
Min. Bending Radius Minor Axis	85 mm
Operation Temperature	-20°C to 90°C

ELECTRICAL CHARACTERISTICS

Voltage Rate	300/500V
Dielectric Strength Between Pairs	1.5 KV/5min
Min. Bending Radius Minor Axis	10 x 0.D
Standard	BS 6387 Cat. CWZ
Test Voltage	2000V

COMPLIANCE

- Construction**
 - IEC 60228, IEC 60502-1
- Circuit integrity**
 - BS 6387 Categories C, W, Z
 - IEC 60331 at 750°C 3 hours
- Flame propagation**
 - IEC 60332-1
 - IEC 60332-3 Categories A, B, C
- Acid gas emission**
 - IEC 60754-2
- Smoke emission**
 - IEC 61034



Marking on cable surface : HOSIWELL FIRE RESISTANT INSTRUMENTATION CABLE IF10001P-LSZH-FR CU/MICA TAPE/XLPE/OSCR/LSZH 1X2CX1.0 SQMM 300/500V BS6387 CWZ COMPLIANCE RESISTANT CABLE

APPLICATIONS

For fire alarm system, building sound, broadcast, audio control, and instrument

