

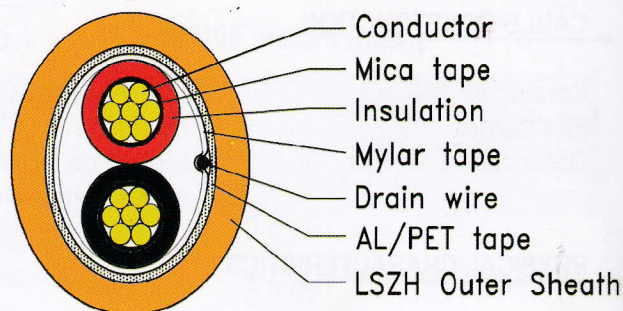
FIRE RESISTANT INSTRUMENTATION CABLES Single & Multi-Pair



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

CABLE CONSTRUCTION

Conductor	Plain Annealed Copper
Fire Barrier	Mineral ceramic (Mica) based fire resistant tape, wrapping
Insulation	XLPE. Color: Black, White
Binder	Mylar tape wrapping
Shielding (Coverage 100%)	Aluminum Foil-Polyester Tape
Drain Wire	Tinned Copper Wire
Outer Jacket, Colour	Low smoke and no halogen LSZH, Orange



PHYSICAL CHARACTERISTICS

Voltage Rate	300/500 V
Dielectric Strength Between Pairs	1.5 KV/5min
Temperature Rate	-20°C to 90°C
Min. Bending Radius Minor Axis	10 x 0.D
Standard	BS 6387 Cat. CWZ
Test Voltage	2000 V

DETAILED SPECIFICATION

Part Number	No. of Pair	Nominal Conductor Area (mm ²)	No./Dia of Wires (no./mm)	Radial Thickness of Insulation (mm)	Cable Overall Diameter (mm)	Approx Weight (kg/km)
IF15001P-FR	1	1.5	7/0.53	0.6	8.6	89
IF15002P-FR	2	1.5	7/0.53	0.6	12.3	263
IF15005P-FR	5	1.5	7/0.53	0.6	17.6	325
IF25001P-FR	1	2.5	7/0.67	0.7	10.3	123
IF25002P-FR	2	2.5	7/0.67	0.7	14.7	231
IF25005P-FR	5	2.5	7/0.67	0.7	21.2	496

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

