

Strength Under Fire

IntegraFlame® 200°C Flexible Circuit Integrity Cable

- The only 200°C Flexible Circuit Integrity Cable on the Market. Designed to replace Mineral Insulated (MI) Cable***
- Designed in Conjunction with the Refinery Industry to meet the stringent Hydrocarbon Pool Fire Test Protocol , Fast Rise to 1093°C (2000°F) – 60 minutes***
- Widely used in Petrochemical Plants and Refineries around the world***
- Available Tray Rated with optional PFA Jacket***



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FEATURES

COMPLIANCE INFORMATION

- Passes Hydrocarbon Pool Fire Test 2 hours @ 2,000°F, Fast Rise Temperature Curve 480V, 17 A.
- Passes IEEE-383 Flame Test 2,000°F, 2 hours @ 1,000V
- Passes IEEE-383 Flame Test 2,000°F, 3 hours @ 480V
- Passes 2196 - 2 hour Circuit Integrity Fire Test
- Passes IEEE-1202/FT4 Flame Test
- Meets Low Smoke (LS) requirements of UL-1685
- Passes MIL-W-25038 Test – 2 hours

RATINGS

- Temperature rating: 200°C (392°F) for insulation, up to 260°C with optional low smoke PFA jacket
- Voltage: 600V – 1000V (300V instrumentation)

CONSTRUCTION & INSTALLATION

- Uses a flexible, pyro-stable ceramifiable elastomer – inherently moisture resistant

- Installation uses standard electrician tools and procedures
- Standard moisture, heat and chemical resistant Jacketing: Fluoropolymers such as ETFE (150°C), FEP (200°C), or PFA (260°C)

- Nickel-plated copper conductor which melts at approximately 2400°F. Bare copper melts at approximately 1980°F

BENEFITS

- Ideally suited for Critical Circuits requiring Electrical Integrity in case of a Fire
- Provides the utmost in temperature and chemical resistance as well as moisture protection.
- Target Applications: Power, Control, Instrumentation Cables and Power Limited Circuits
- Specific Applications include but not limited to: Motor Operated Valves (MOV) and Emergency Isolation Valves (EIV) as found in Petrochemical Plants and Refineries
- Flexible - designed to replace Mineral Insulated (MI) cables in many applications

- Suitable for hot environments normally found around reboilers and heat exchangers
- Suitable as low voltage power cable

OPTIONS

- Options include electrical shielding, moisture resistant over jackets, and Stainless Steel Braided Armor
- Can be Tray Rated with optional PFA jacket with markings "FT4/IEEE 1202"

