



Fire Resistant Instrumentation Cable

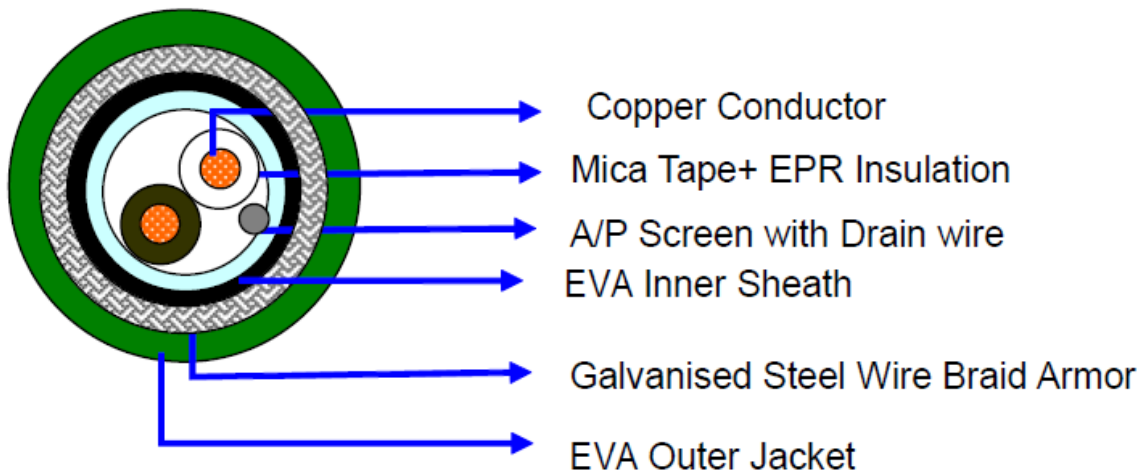
Application

These cables are fire resistant, flame retardant, low smoke, halogen free and oil resistant, used for instrumentation, communication, control and alarm systems.

Standard

BS6883

IEC 60092 IEC60331-21



Construction

- Conductor:** Stranded Copper Conductor to BS6360
- Insulation:** Mica tape+EPR Complying with BS7655 GP4
- Nominal Thickness:** 0.6mm
- Overall screen:** Aluminium/ p.e.t.p. Laminated tape applied with the metallic side down in electrical contact with 20 AWG, 0.5mmsq tinned copper drain wire.
- Bedding:** EVA
- Nominal Thickness:** 1.1mm



- Armor:** Galvanised Steel Wire Braid
- Sheathing:** EVA
- Nominal Thickness:** 1.2mm
- Sheath Color:** Green or upon request
- Packing:** The cables are delivered on non-returnable wooden drums.

Physical Properties

- Temperature rating: -20 to +90°C
- Minimum bending radius: 8 x Overall Diameter
- Fire resistant: IEC60331
- Flame retardant: IEC60332 -3

Dimensional Data

Conductor	Number of Pairs	Approx Nominal Dia under Armour (mm)	Approx Nominal Overall Dia (mm)	Armour Wire Dia (mm)	Approx Weight (kg/km)
1.5mmsq (7/0.53mm)	1	10	13.5	0.3	245
1.0mmsq (7/0.43mm)	2	12	16	0.3	260

Electrical Data

Conductor Area size	1.5	1
Rated voltage	250V	250V
Nom. Inductance	40 µH/ohm	25 µH/ohm
Nom. conductor resistance at 20 °C	≤12.9 Ohm/Km	≤18.2 Ohm/Km
Maximum Mutual capacitance	85pF/ m	75pF/ m