

Date: 16 Feb. 2016

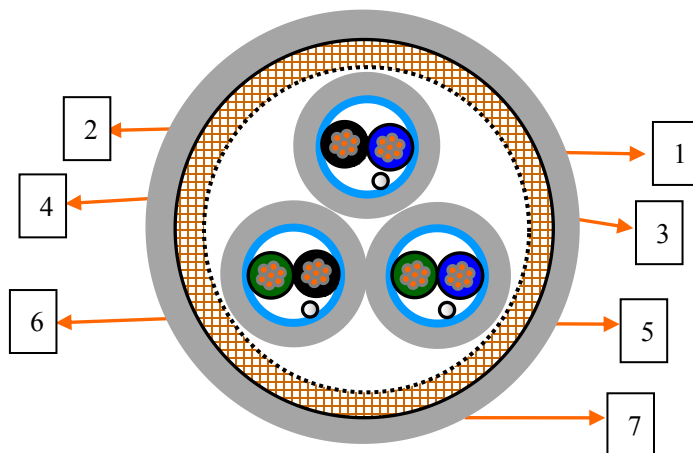
Spec. No.: UE1602008B

3X2X0.14mm² PIMF Instrumentation Cable
Multi-Pair, PE-Insulation, Individual & Collective Screen, PVC-Sheath

Application

For transmission of analogue and digital signals in instrument and control systems.

Not recommended for direct burial. For indoor and outdoor installation in dry and wet locations on racks, in Conduits.



Construction

1. Inner Conductor: Tinned annealed copper, sizes: 0.14 mm²(7/0.16mm)

2. Insulation: Solid polyethylene(PE). Colour code: According to BS5308 part 1.

Pair 1: **Black / Blue**; Pair 2: **Black / Green**; Pair 3: **Blue / Green**;

3. Pair screen: 24 µm aluminium / PETP tape with tinned copper drain wire, 0.14 mm²(7/0.16mm) wrapped over each 2 cores.

4. Inner Jacket: PVC jacket is extruded over each of the three screened pairs. Color: Grey

5. Assembly: The three jacket elements are then laid up and wrapped with polyester tape.

6. Collective screen: Plain copper wire braid over the above with coverage from 60% up to 80%.

7. Outer sheath: Polyvinyl chloride(PVC), Color: Grey.

Marking: Instrumentation Cable 3X2X0.14mm² TC/PE/IS/PVC/CWB/PVC UNIVERSAL YR2016

Or as per customer request.

Packing length: 1000m/Drum, or as per customer request.

Standard Compliance:

Basic design base on BS5308 part 1

Mechanical Properties:

Minimum Bending Radius:

7.5 x d (d= overall diameter)

Temperature Range:

-40° C up to +70° C (during operation)

- 5° C up to +50° C (during installation)

Dimension:

Number of pairs (Cores)	Conductor size(Stranding/ Diameter)	Nominal Thickness of Insulation	Nominal Thickness of Inner PVC Jacket	Nominal Thickness of Outer PVC Jacket	Nominal over Diameter	Nominal Weight
	mm ² (No./mm)	mm	mm	mm	mm	Kg/KM
3Pairs (6 Cores)	0.14(7/0.16)	0.21	0.3	0.6	7.0±0.3	51