



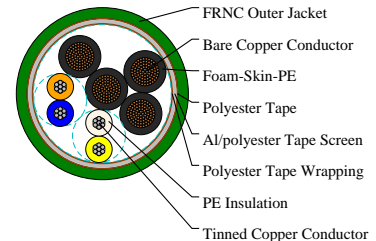
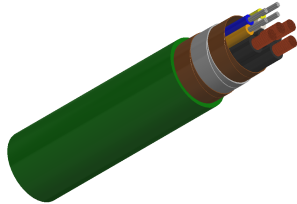
Caledonian

Bus Cables

www.caledonian-cables.com

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ProfiNet Type B 2P0.64MM+4C1.5mm²



APPLICATIONS

Industrial Ethernet ProfiNet cables are designed to provide reliable network communications in the demanding Industrial and Process Control environment where difficult EMC conditions are pervasive. Conforming to the EIA/TIA-568 standard, These Cables support half-duplex high speed communications. It ensures superior transmission properties and can be used even under most severe conditions.

CABLE CONSTRUCTION

Conductor 1: Tinned copper conductor(AWG 22/7)

Conductor 2: Bare copper conductor(AWG 16/84)

Insulation 1: Foam-Skin-PE

Insulation 2: Foam-Skin-PE

Stranding Element: Double Conductor

Wrapping: Polyester foil over stranded bundle

Shielding: Polyester foil, aluminum lined

Total Shielding: Polyester foil

Outer Jacket: FRNC

COLOUR CODE

Insulation Colors: White, Yellow, Blue, Orange

Outer Jacket Color: Green

PHYSICAL AND THERMAL PROPERTIES

Characteristic Impedance@1-100 MHz: $100 \Omega \pm 15 \Omega$

Conductor Resistance: 60.0 Ohm/km max

Insulation Resistance: 0.50 GOhm x km min

Mutual Capacitance: 52.0 nF/km nom

Working Voltage: 300 V

Test Voltage: 1.5 KV

Min. Bending Radius (Laying): 10 x OD mm

Operating Temp. Range, min.: -40 °C

Operating Temp. Range, max.: +70 °C

DIMENSION AND PARAMETERS



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Cable Construction	Approx. Overall Diameter	Approx. Weight
	mm	kg/km
2x2x0.64 mm+ 4x1.5mm ²	10.3±0.3	153