



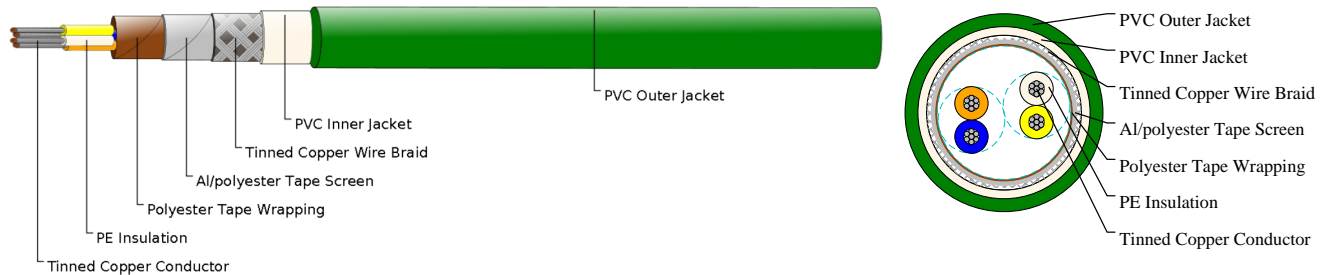
Caledonian

Bus Cables

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ProfiNet Type B+C 2P0.64MM



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: Tinned copper conductor(AWG 22/7)

Insulation: PE

Stranding Element: Star quad

Wrapping: Polyester foil over stranded bundle

Shielding: Polyester foil, aluminum lined

Total Shielding: Cu braid, tinned

Inner Jacket: PVC

Outer Jacket: PVC

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): 5 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 (stranded)	6.5±0.2	63