



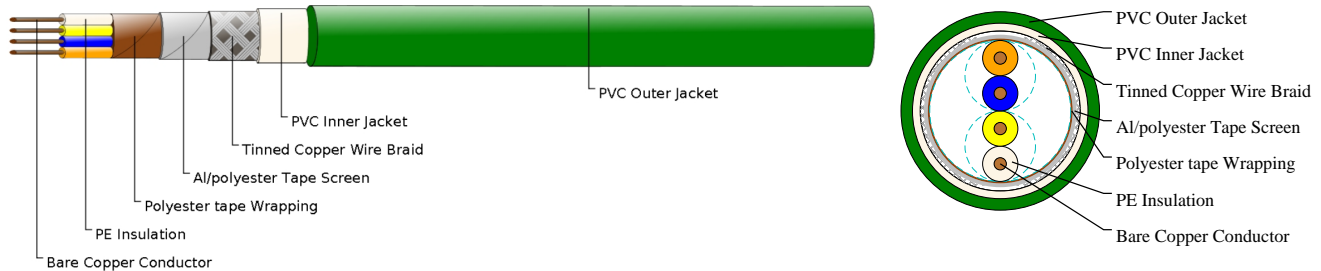
Caledonian

Bus Cables

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ProfiNet Type A 1P0.64 mm



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 halfduplex high speed communications. It ensures superior transmission properties and can be used even under most severe conditions.

CABLE CONSTRUCTION

Conductor: Bare copper conductor, AWG 22/1

Insulation: PE

Stranding Element: Star quad

Wrapping: Polyester foil over stranded bundle

Shielding: Polyester foil, aluminum-lined

Total Shielding: Tinned copper wire braid

Inner Jacket: PVC

Outer Jacket: PVC

COLOUR CODE

Insulation Colors: White, Yellow, Blue, Orange

Outer Jacket Color: Green

PHYSICAL AND THERMAL PROPERTIES

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

Conductor Resistance: 62 Ohm/km max

Insulation Resistance: 0.5 GOhm x km min

Mutual Capacitance: 50.0 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
1x2x0.64 mm	6.5±0.2	67