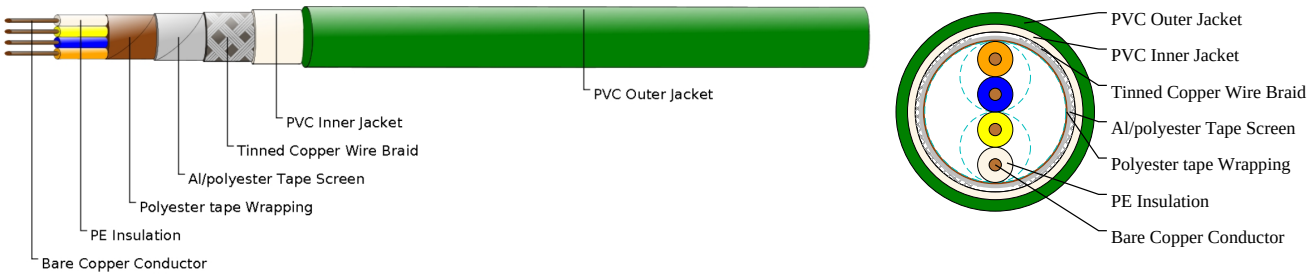
# Caledonian

Bus Cables

www.caledonian-cables.com marketing@caledonian-cables.com

## ProfiNet Type A 2P0.64 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 Ω ± 15 Ω
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 |
| 2x2x0.64 mm | 6.5±0.2 | 67 |