



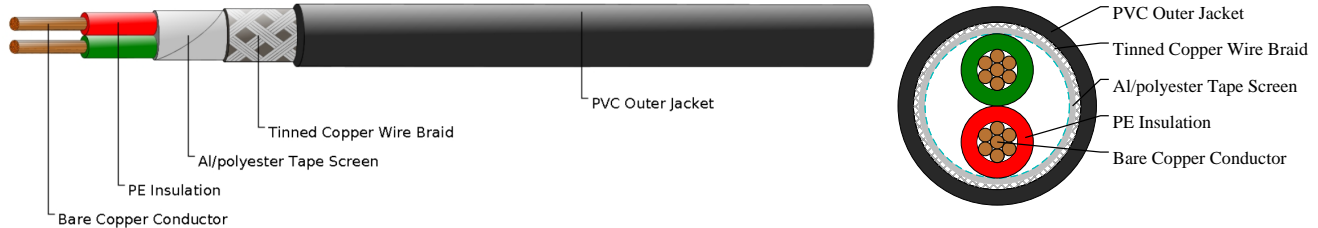
Caledonian

Bus Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Profibus PA Long Distance 1P1.6mm²



APPLICATIONS

This Profibus PA line is used in the area of process automation, among other things in the chemical industry.

This cable is an economical solution for the cell and field area. For the information exchange between different automation systems as well as for communication with the connected decentralized field units, serial field bus systems are used. The types mentioned here are suitable for ex and not-ex installation and are equipped with a special PVC jacket.

CABLE CONSTRUCTION

Conductor: Bare copper conductor (AWG 16/7)

Insulation: PE

Stranding Element: 2 conductors + 2 fillers stranded together

Shielding: Polyester foil, aluminum-lined

Total Shielding: Copper braid, tinned

Outer Jacket: PVC

COLOUR CODE

Insulation Colors: Red, Green

Outer Jacket Color: Blue

PHYSICAL AND THERMAL PROPERTIES

Characteristic Impedance @ 3-20KHz: $100 \Omega \pm 20 \Omega$

Conductor Resistance: 24.0 Ohm/km max

Insulation Resistance: 1.00 GOhm x km min.

Mutual Capacitance @ 1KHz: 60.0 nF/km nom.

Working Voltage: 300 V

Test Voltage: 1.0 kV

Min. Bending Radius (Laying): 7.5 x OD mm

Operating Temp. Range, min: -40 °C

Operating Temp. Range, max: +70 °C

DIMENSION AND PARAMETERS

Cable Construction	Diameter Of Core	Approx. Overall Diameter	Approx. Weight
	mm	mm	kg/km



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1x2x1.6mm ²	3.2	9.5±0.5	110
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