



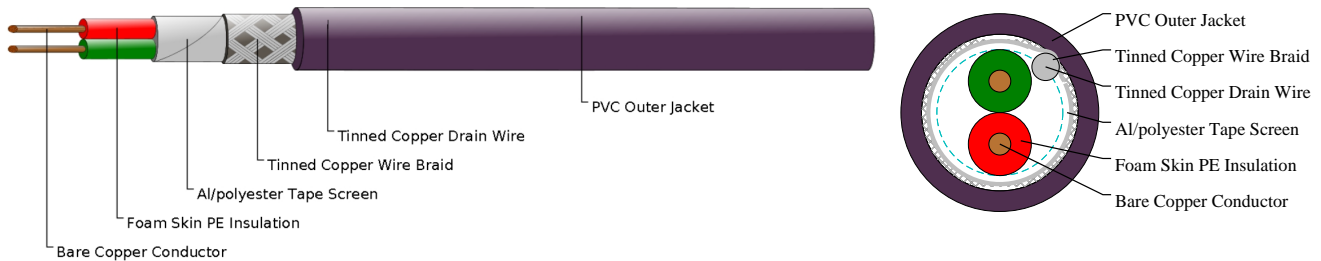
Caledonian

Bus Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Profibus L2 UL FT4 1P0.64 mm



APPLICATIONS

This system cable is used to interconnect L2-BUS components. 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 type described here is suitable for the installation in areas where the FT4 standard (special fire standard “vertical tray”) according to UL/CSA applies. For this purpose the line was equipped with a special outer PVC jacket.

CABLE CONSTRUCTION

Conductor: Bare copper conductor, AWG 22/1

Insulation: Foam skin PE

Stranding Element: 2 conductors + 2 fillers stranded together

Shielding: Polyester foil, aluminum-lined

Drain Wire: Tinned copper wire

Total Shielding: Tinned copper wire braid

Outer Jacket: PVC

COLOUR CODE

Insulation Colors: Red, Green

Outer Jacket Color: Violet

PHYSICAL AND THERMAL PROPERTIES

Characteristic Impedance@3-20Hz: $150 \Omega \pm 10 \Omega$

Conductor Resistance: 55.0 Ohm/km max

Insulation Resistance: 1.00 GOhm x km min

Mutual Capacitance@1 KHz: 30.0 nF/km nom

Working Voltage Max: 250 V

Test Voltage: 1.5 KV

Min. Bending Radius (Laying): 15 x OD mm

Operating Temp. Range, min: -40 °C

Operating Temp. Range, max: +70 °C

DIMENSION AND PARAMETERS

Cable Construction	Approx. Overall Diameter	Approx. Weight
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	mm	kg/km
1x2x0.64 mm	8±0.4	66