



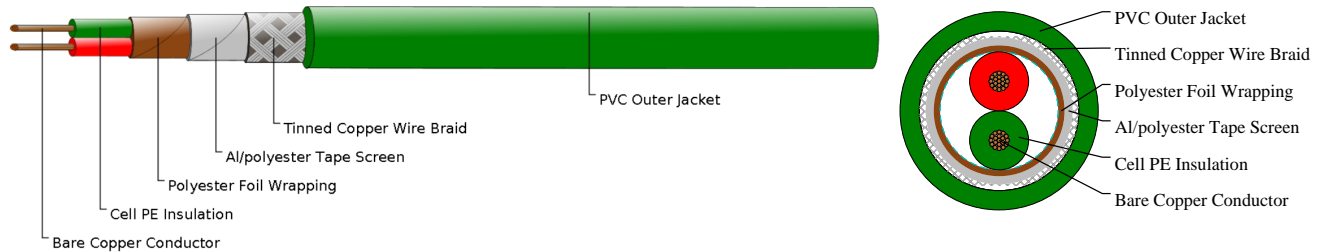
# Caledonian

## Bus Cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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### Profibus L2 Torsion + Festoon 1P0.65 mm



### APPLICATIONS

The series TORSION and FESTOON are used to interconnect Profibus BUS components. This BUS system is a very economical solution for the 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 lines described here are designed torsionable or hanging movable construction. Areas such as robot applications and/or garland suspension are easily realized.

### CABLE CONSTRUCTION

Conductor: Bare copper conductor, AWG 24/19

Insulation: Cell PE

Stranding Element: 2 conductors + 2 fillers stranded together

Wrapping: Polyester foil over stranded bundle

Shielding: Polyester foil, aluminum-lined

Total Shielding: Tinned copper wire braid

Outer Jacket: PVC

### COLOUR CODE

Insulation Colors: Red, Green

Outer Jacket Color: Green

### PHYSICAL AND THERMAL PROPERTIES

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

Conductor Resistance: 66.5 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): 5 x OD mm

Operating Temp. Range, min: -40 °C

Operating Temp. Range, max: +60 °C

### DIMENSION AND PARAMETERS

Cable Construction	Approx. Overall Diameter	Approx. Weight
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	mm	kg/km
1x2x0.65 mm (stranded)	8±0.3	64