



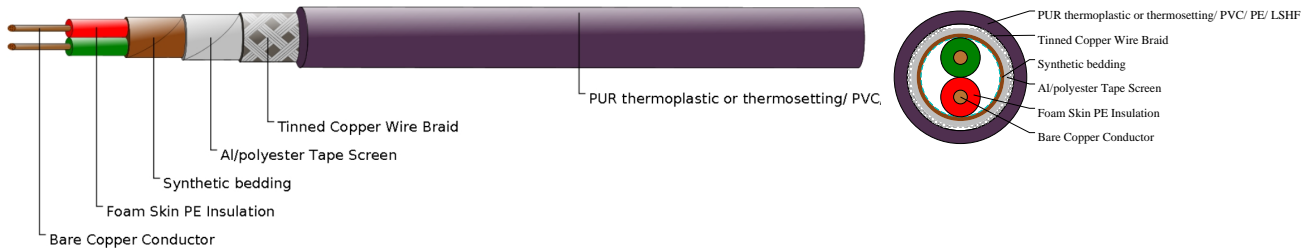
Caledonian

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Profibus DP IEC 61158 / EN 50170 SINEC L2(Siemens Profibus)Static cables 1P0.64 mm



APPLICATIONS

Profibus DP cables are designed for field networks requiring fast, cyclic data exchange between controllers and field devices. This cable is usually referred to as Siemens Profibus. This Profibus modification, optimized with respect to velocity and low installation cost, Profibus DP is used as a replacement for conventional parallel data transmission with 24 V or 0 - 20 mA.

CABLE CONSTRUCTION

Conductor: Plain copper conductor, 0.64mm (22AWG)

Insulation: Foamed PE with a hard skin

Wrapping: Synthetic bedding

Shielding 1: Aluminium foil

Shielding 2: Tinned copper wire braid – 60% optical coverage

Outer Jacket: PUR thermoplastic or thermosetting/ PVC/ PE/ LSHF

COLOUR CODE

Insulation Colors: Red, Green

Outer Jacket Color: Violet/ Black

PHYSICAL AND THERMAL PROPERTIES

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

Conductor Resistance: 57.1 Ohm/km max

Test Voltage: 1.5KV

Operate Voltage Max: 350V

Effective capacitance @ 1kHz: 28.5nF/m

Min. Bending Radius (Laying): 12 x OD mm

Operating Temp. Range, min: -30 °C

Operating Temp. Range, max: +70 °C