



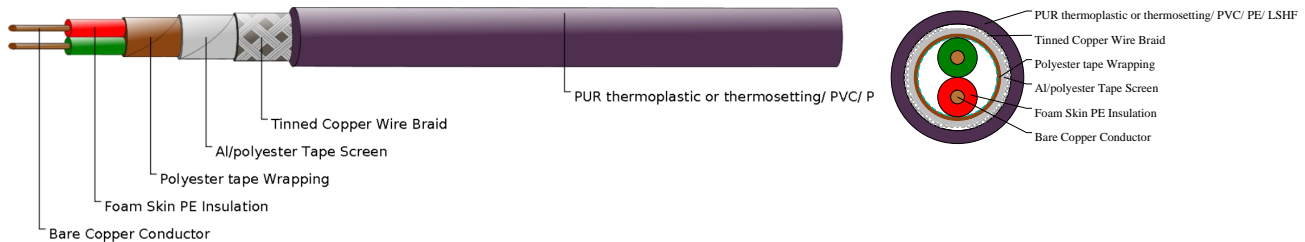
Caledonian

Bus Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Profibus DP IEC 61158 / EN 50170 SINEC L2(Siemens Profibus) Dynamic cables 1P0.25



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 is 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, 0.25mm²
- Insulation: Foamed PE with a hard skin
- Stranding Element : Cores laid up with fillers
- Core Wrapping : Polyester taped
- Shielding 1: Aluminium foil
- Shielding 2: Tinned copper wire braid – 60% optical coverage
- Outer Jacket: Polyurethane (PUR) sheath

COLOUR CODE

- Insulation Colors: Red, Green
- Outer Jacket Color: Violet/ Black

PHYSICAL AND THERMAL PROPERTIES

- Characteristic Impedance@3-20Hz: 150 Ω ± 10 Ω
- Conductor Resistance: 84 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: -5 °C
- Operating Temp. Range, max: +70 °C