



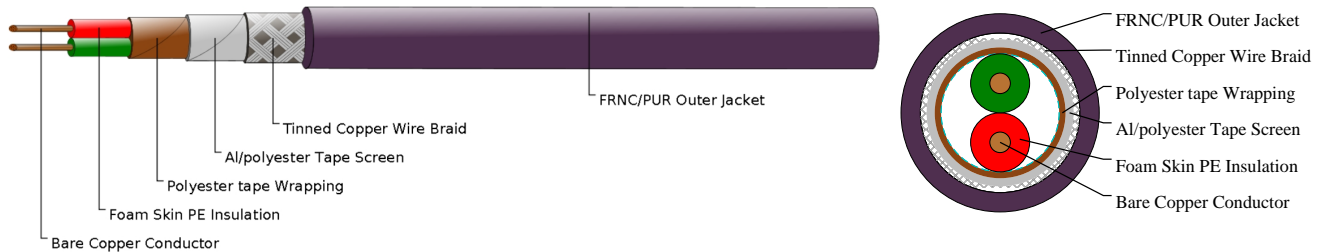
# Caledonian

Bus Cables

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## Profibus SK FRNC + Industry 1P0.64 mm



## APPLICATIONS

The application of these Profibus SK cables are in the cell and field area, just as for conventional types. The great advantage of this new system is the quick connection of the cable to the respective plugs. This type of processing also avoids errors. The types mentioned here are suitable for indoor laying (special FRNC jacket) and heavy industry laying (PUR jacket).

## CABLE CONSTRUCTION

Conductor: Bare copper conductor, AWG 22/1

Insulation: Foam skin PE

Stranding Element: 2 conductors + fillers

Wrapping: Polyester foil over stranded bundle

Shielding: Polyester foil, aluminum-lined

Total Shielding: Tinned copper wire braid

Outer Jacket: FRNC/PUR

## 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: 57.1 Ohm/km max

Insulation Resistance: 1.00 GOhm x km min

Mutual Capacitance@1 KHz: 35.0 nF/km nom

Working Voltage: 300 V

Test Voltage: 1.5 KV

Min. Bending Radius (Laying): 18 x OD mm

Operating Temp. Range, min.: -25 °C

Operating Temp. Range, max.: +60 °C

## DIMENSION AND PARAMETERS

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



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1x2x0.64 mm	8±0.4	73
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