



## Fixed installation

Halogen-free and highly flame-retardant; Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP; For use where the combination of a halogen-free outer sheath with properties similar to PUR and enhanced flame-retardance is required; Fast Connect (FC) cable design

- FRNC = Flame Retardant Non Corrosive- Reduction of flame-propagation and density and toxicity of smoke gases in the event of fire- Minimisation of damage to buildings and production facilities- Safety for staff and in areas with high density of people



## Product description

### Application range

- This cable provides special advantages for use in sensitive areas where fire propagation must be avoided and the presence of toxic fumes would cause personal injury and damage to equipment.

### Benefits

- Halogen-free and highly flame-retardant
- Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP
- For use where the combination of a halogen-free outer sheath with properties similar to PUR and enhanced flame-retardance is required
- Fast Connect (FC) cable design

## Product Make-up

- Solid, bare, single-wire copper conductor
- PE core insulation
- Inner sheath, screening foil and braiding
- Thermoplastic outer sheath
- Colour: violet (RAL 4001)

## Product features

- The cable is UL/CSA-approved (CMG)
- Halogen-free
- High flame retardancy in accordance with IEC 60332-3 and FT4
- Oil-resistant
- Based on the bit rates listed, in accordance with PNO specifications the following maximum cable lengths for a bus segment apply  
(cable type A, PROFIBUS-DP):  
93.75 kbit/s = 1200 m  
187.5 kbit/s = 1000 m  
500 kbit/s = 400 m  
1.5 Mbit/s = 200 m  
12.0 Mbit/s = 100 m

## Technical Data

Approvals	UL/CSA (CMG)
Mutual capacitance	Approx. 28.5 nF/km
Peak operating voltage	(not for power applications) 250 V
Minimum bending radius	80mm
Test voltage	Core/core: 1500 V rms
	Core/screen: 1500 V
Temperature range	-30°C to +80°C
Characteristic impedance	(3 - 20 MHz): 150 ± 15 Ohm