



Fixed installation

Robust PROFIBUS cable for use under harsh environmental conditions



Product description

Application range

- For use for PROFIBUS-DP or FIP in harsh industrial environments
- Fixed installation

Benefits

- Robust PROFIBUS cable for use under harsh environmental conditions

Product Make-up

- Solid and bare copper conductor
- Foam Skin - core isolation (O2YS)
- Overall screening with copper braid and plastic-laminated aluminium foil
- Tin-plated copper wire braiding
- With conventional cable design, but with an outer sheath made of special TPE

Product features

- Significantly extended use and application areas, water and chemical resistance for use in industrial conditions.
- High resistance to tensides, soaps etc.
- UV-resistant
- Flame-retardant according IEC 60332-1-2
- 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

Mutual capacitance	(1 kHz): approx. 28.5 nF/km
Peak operating voltage	(not for power applications) 250 V
Minimum bending radius	Fixed installation: 75 mm
Test voltage	Core/core: 1500 V rms Core/screen: 1500 V
Temperature range	-40°C to +80°C
Characteristic impedance	(3 - 20 MHz): 150 ± 15 Ohm