



Highly flexible application

Fast Connect (FC) cable design; Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP; For highly flexible applications (power chains, moving machine parts)



Product description

Application range

- PROFIBUS DP (in accordance with DIN 19245 and EN 50170, e.g. for SIEMENS SIMATIC® NET, also suitable for FIP - Factory Instrumentation Protocol).

Benefits

- Fast Connect (FC) cable design
- Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP
- For highly flexible applications (power chains, moving machine parts)

Product Make-up

- Stranded bare copper wire
- Foam Skin - core isolation (O2YS)
- Overall screening with copper braid and plastic-laminated aluminium foil

- Screening: wrapped with braided tinned-copper wires
- Outer sheath: PUR compound

Norm references / Approvals

- Approval: UL/CSA type CMX in accordance with UL 444 and CSA C22.2 no. 214

Product features

- Flame-retardant according IEC 60332-1-2
- 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

Mutual capacitance	(800 Hz): max. 30 nF/km
Peak operating voltage	(not for power applications) 250 V
Minimum bending radius	Flexing: 15 x outer diameter
Test voltage	3600 V DC (3 sec.)
Temperature range	Flexing: -30°C to +70°C Fixed installation: -40°C to +80°C
Characteristic impedance	150 ± 15 Ohm