



Highly flexible application

Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP; CL3 for installation on trays



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

- Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP
- CL3 for installation on trays

Product Make-up

- Outer sheath: special PVC compound

Norm references / Approvals

- With UL/CSA approval (CMG, CL3, SUN RES, Oil Res I)
- Flame-retardant according to CSA FT4
UL Vertical-Tray Flame Test
- Oil-resistant according to UL OIL RES I

Product features

- FESTOON: for cable trolley (festoon)
- 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	600 V (not for power applications)
Minimum bending radius	Flexing: 70 mm Fixed installation: 30 mm once
Test voltage	Core/core: 2000 V
Temperature range	Flexing: -5°C to +70°C Fixed installation: -40°C to +80°C
Characteristic impedance	150 ± 15 Ohm