



Certified by INTERBUS CLUB

- IBS - INTERBUS



## Product description

### Application range

- For highly flexible use in energy supply chains or permanently moving machines and linear robots
- Dry or damp rooms
- Harsh industrial environment

### Benefits

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### Product Make-up

- UNITRONIC® BUS IBS FD P
- Stranded conductor, bare, core identification code in accordance with DIN 47100, braided copper wire for overall screening, PUR outer sheath, violet (RAL 4001), halogen-free, flame-retardant in accordance with IEC 60332-1-2.
- UNITRONIC® BUS IBS FD P COMBI
- Bare stranded copper wire conductor, cores twisted to pairs, core colours: white/brown / green/yellow /

- grey/pink (data). Bare copper wire stranded conductor, core colours: red, blue, green/yellow (power supply).
- Overall screening of braided copper, PUR outer sheath (violet, RAL 4001), halogen-free, flame-retardant according to IEC 60332-1-2.

## Norm references / Approvals

- In accordance with DIN 19258 and EN 50254

## Product features

- IBS cable - for highly flexible application
- Remote bus cable + installation remote bus cable
- 500 kbit/s = max. 400 m (remote bus cable)
- max. 50 m (installation remote bus cable)
- PUR outer sheath, tear and notch-resistant, resistant to mineral oils and abrasion when used in power chains

## Technical Data

Mutual capacitance	(800 Hz): max. 60 nF/km
Peak operating voltage	(not for power applications) 250 V
Conductor resistance	(loop): max. 159.8 ohm/km
Minimum bending radius	Flexing: 15 x outer diameter
Test voltage	Core/core: 1500 V rms
Temperature range	Fixed installation: -40°C to +80°C
	Flexing: -30°C to +70°C
Characteristic impedance	100 Ohm