

Product Description

Certified by INTERBUS CLUB.



Application range

- Intended for highly flexible use in power chains or permanently moving machines and linear robots
- Dry and damp indoors
- Harsh industrial environment

Benefits

- Certified by INTERBUS CLUB.

Design

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

Approvals (Norm references)

- In accordance with DIN 19258 EN 50254 and IEC 61158

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 resistant and notch ductile, resistant to mineral oils and abrasion when used in power chains

Technical Data

Mutual capacitance

(800 Hz): max. 60 nF/km

Peak working voltage

(not for power purposes) 250 V

Conductor resistance

(loop): max. 159.8 Ohm/km

Minimum bending radius

Flexing: 15 x outer diameter

Test voltage

Core/core: 1500 V

Range of temperature

Fixed installation: -40°C up to +80°C

Flexing: -30°C up to +70°C

Characteristic impedance

100 Ohm

Article List

Part number	Cable type	Article designation	Number of pairs and mm ² per conductor	Outer diameter mm	Copper index kg/km	Weight kg/km
2170218	Installation remote bus cable (INBC)	UNITRONIC® BUS IBS FD P COMBI	3 x 2 x 0,25 + 3 x 1,0	7.9	62.0	92
for highly flexible application (power chains,...) - with UL/CSA (CMX) approval						
2170818	Installation remote bus cable (INBC)	UNITRONIC® BUS IBS FD P COMBI A	3 x 2 x 0,25 + 3 x 1,0	7.9	62.0	92
For highly flexible application (power chains, frequently moved machine parts)						
2170216	Remote bus cable (RBC)	UNITRONIC® BUS IBS FD P	3 x 2 x 0,25	7.9	39.0	64

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths



Packaging size: Coil \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

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