

Highly flexible application

Product Description

Application where the combination of halogen-free outer sheath with properties similar to polyurethane and enhanced flame retardancy is requested; For highly flexible applications (power chains/cable tracks, moving machine parts etc.); Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP



Application range

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

Benefits

- Application where the combination of halogen-free outer sheath with properties similar to polyurethane and enhanced flame retardancy is requested
- For highly flexible applications (power chains/cable tracks, moving machine parts etc.)
- Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP

Design

- Cores for Power Supply: 4 x 1,5 mm² (AWG16)

Product features

- HYBRID: Cable for data transmission + power supply
- Flame retardant according to IEC 60332-1-2
- Oil resistant



Technical Data

Mutual capacitance

(800 Hz): max. 30 nF/km

Peak working voltage

(not for power purposes) 100 V

Minimum bending radius

Flexing: 15 x outer diameter

Test voltage

Core/core: 600 V

Core/screen: 600 V

Range of temperature

Flexing: -30°C up to +60°C

Fixed installation: -40°C up to + 70°C

Characteristic impedance

150 +/- 15 Ohm

Article List

Part number	Article designation	Number of pairs and conductor diameter in mm	Outer diameter in mm max.	Copper index kg/km	Weight kg/km
2170495	UNITRONIC® BUS PB FD P HYBRID	1 x 2 x 0.64 Ø + 4 x 1.5 mm ²	11.3	89.0	148

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 ≤ 30 kg and ≤ 250 m, otherwise drum

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

SIMATIC® is a registered trademark of SIEMENS AG. FIP is a registered trademark of World FIP

Lapp Kabel is a member of the PROFIBUS user organisation (PNO)

Photographs are not to scale and do not represent detailed images of the respective products.