

Highly flexible application

Product Description

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;CL3 for installation on trays



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

- 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
- CL3 for installation on trays

Design

- Outer sheath: special PVC compound
- Cores for Power Supply: 4 x 1,5 mm² (AWG16)

Approvals (Norm references)

- with UL/CSA-Approbation (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

- HYBRID: Cable for data transmission + power supply



Technical Data

Peak working voltage

600 V (not for power purpose)

Minimum bending radius

Fixed installation: 10 x cable diameter

Flexing: 15 x outer diameter

Test voltage

Core/core: 2000 V

Core/screen: 2000 V

Range of temperature

-5°C up to +80°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
2170875	UNITRONIC® BUS PB FD Y HYBRID	1 x 2 x 0.64 Ø + 4 x 1.5 mm ²	11.3	89.0	155

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)

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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.