

UNITRONIC® BUS PB FD Y HYBRID

Highly flexible PROFIBUS HYBRID cable, UL-verified

Bus cable for PROFIBUS-DP, -FMS and FIP. HYBRID: Data transm. + power supply. Flame retardant, oil- and UV-resistant. Temperature range from -40°C bis +80°C



Flame-retardant



Oil-resistant



Power chain



UV-resistant

Benefits

For highly flexible applications (power chains, moving machine parts)
Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP - CL3 for installation on trays

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).

Product features

HYBRID: cable for data transmission + power supply

Norm references / Approvals

With UL/CSA certification (CM, CL3, SUN RES, Oil Res I)
Flame-retardant according to CSA FT4
UL Vertical-Tray Flame Test

Last Update (05.09.2020)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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Oil-resistant according to UL OIL RES I

Product Make-up

Fine-wire, bare copper strand
1x2x0.64: red, green
Core insulation: Foam Skin PE
4x1.5: black with white numbers 1-4
Core insulation: PVC
Tin-plated copper wire braiding
Outer sheath: PVC, violet (RAL 4001)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000830 ETIM 6.0 Class-Description: Data cable
Peak operating voltage:	600 V (not for power applications)
Minimum bending radius:	Fixed installation: 5 x outer diameter Flexing: 15 x outer diameter
Test voltage:	Core/core: 2000 V Core/screen: 2000 V
Characteristic impedance:	150 ± 15 Ohm
Temperature range:	-5°C to +80°C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

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

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (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 and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
2170882	UNITRONIC® BUS PB FD Y HYBRID	1 x 2 x 0.64 Ø + 4 x 1.5 mm ²	11.3	89	155

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