


U.I. Lapp GmbH	PRODUCT INFORMATION	
		12.09.2012

Suitable for outdoor use and direct burial, UV-resistant
Fast Connect (FC) cable design
Rugged, UV-resistant and weatherproof
Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP



Suitable for outdoor use



Automation



Industrial machinery and plant engineering



Mechanical resistance



Oil & Gas



Solar Energy



UV-resistant

Application range

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


Design

Solid and bare copper conductor
Foam Skin - core isolation (O2YS)
Overall screening with copper braid and plastic-laminated aluminium foil
Tin-plated copper wire braiding
PVC outer sheath, violet, OD 8 mm/PE outer sheath, black, OD 10.8 mm

Product features

Second PE outer sheath

Product Management	Document: LAPP_PRO158971EN.pdf	1 / 3
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Remark

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

Copper price basis: EUR 150/100kg. 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 are not to scale and do not represent detailed images of the respective products.

Technical Data

Mutual capacitance:	(800 Hz): max. 30 nF/km
Peak operating voltage:	(not for power applications) 100 V
Minimum bending radius:	Fixed installation: 3.5 x cable diameter once Fixed installation: 7.5 x cable diameter
Test voltage:	3600 V DC (3 sec.)
Temperature range:	-40 °C to +60 °C
Characteristic impedance:	150 ± 15 Ohm

Product Management	Document: LAPP_PRO158971EN.pdf	2 / 3
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Part number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
Suitable for outdoor use and direct burial					
2170323	UNITRONIC® BUS PB BURIAL FC	1 x 2 x 0,64	10.8	26.0	115