

Bus system PROFIBUS-DP/FMS/FIP • Fixed installation















# UNITRONIC® BUS PB Y 7-W FC BK

Suitable for outdoor use, UV-resistant

### LAPP KABEL STUTTGART UNITRONIC® BUS PB Y 7-W SUN RES

#### **Benefits**

- · UV and weather-resistant in black
- 7-W: 7-wire, e.g. for applications where vibrations occur
- Fast Connect (FC) cable design
- Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP

### 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**

- PVC compound TM2 acc. to EN 50363-4-1
- Resistant to acids, alkalis and certain oils at room temperature

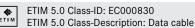
## Product Make-up

- · Stranded conductor, 7-wire, bare
- Foam Skin core isolation (O2YS)
- Overall screening with copper braid and plastic-laminated aluminium foil
- Tin-plated copper wire braiding
- · PVC outer sheath, black

#### Suitable tools

• FC STRIP stripping tool refer to page 1002

#### **Technical data**



Mutual capacitance

(800 Hz): max. 30 nF/km

Peak operating voltage

(not for power applications) 250 V

Minimum bending radius
Fixed installation: 8 x outer diameter
Flexing: 15 x outer diameter

Test voltage
Core/core: 1500 V rms
Core/screen: 1500 V

Z<sub>∞</sub> Characteristic impedance

Temperature range
Flexing: -10°C to +70°C
Fixed installation: -40°C to +80°C

Article number	Article designation	Number of pairs and conductor diameter (mm)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® BUS PB Y 7-W FC BK					
2170310	UNITRONIC® BUS PB Y 7-W FC BK	1 x 2 x 0.64	7.8	30.1	80

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

## Accessories

- Sub-D Bus-Connectors
- FC STRIP stripping tool refer to page 1002