

UNITRONIC® BUS FD P L2/FIP + Yv /YY L2/FIP



Benefits

- Cables can be used for PROFIBUS-DP as well as PROFIBUS-FMS and FIP

Application range

- For highly flexible applications resp. outdoor / direct burial use / UV resistant
- PROFIBUS (in accordance with DIN 19245 and EN 50170, e.g. for SIEMENS SIMATIC® NET, also suitable for FIP - Factory Instrumentation Protocol).

Product features

- ARM: EMC compatible, UV resistant, weld splatter resistant

- BURIAL: for outdoor use/direct burial/black outer sheath/UV resistant
- COMBI: cable for data transmission + power supply
- FESTOON: for cable trolley (festoon)
- TORSION: for torsional stress, e. g. a robot application

Approvals (Norm references)



Product Make-up

- Cables in the table below show different cable designs. For details: see Data Sheets.

Technical data

	Mutual capacitance (800 Hz): max. 30 nF/km
	Peak working voltage (not for power purposes) 250 V
	Conductor resistance see Data Sheet
	Minimum bending radius see Data Sheet
	Test voltage Core/core: 1500 V
	Range of temperature see Data Sheet
	Characteristic impedance 150 +/- 15 Ohm

Part number	Article designation	Dimension in mm Ø or mm ²	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
for highly flexible application (power chains etc.) - conventional cable assembly					
2170222	UNITRONIC® BUS-FD P L2/FIP	1 x 2 x 0.64	8.0	30.1	64.0
2170822	UNITRONIC® BUS FD P L2/FIP UL/CSA (CMX)	1 x 2 x 0.64	8.0	30.1	64.0
2170227	UNITRONIC® BUS-FD P COMBI L2/FIP	1 x 2 x 0.64 Ø + 3 x 1.0 mm ²	10.1	59.0	93.0
2170332	UNITRONIC® BUS L2/FIP Torsion UL/CSA (CMX)	1 x 2 x 0.8	8.0	31.0	66.0
2170331	UNITRONIC® BUS L2/FIP Festoon UL/CSA (CMG)	1 x 2 x 0.64	8.0	26.0	60.0
2170495	UNITRONIC® FD P PROFIBUS HYBRID	1 x 2 x 0.64 Ø + 4 x 1.5 mm ²	11.0	88.0	148.0
2170875	UNITRONIC® FD Y PROFIBUS HYBRID UL/CSA (CMG)	1 x 2 x 0.64 Ø + 4 x 1.5 mm ²	11.0	89.0	155.0
for highly flexible application (power chains etc.) - "Fast Connect" cable assembly					
2170322	UNITRONIC® BUS FD P L2/FIP FC UL/CSA (CMX)	1 x 2 x 0.64	8.0	26.0	72.0
for outdoor installation/direct burial - UV-resistant - conventional cable assembly					
2170223	UNITRONIC® BUS-Yv L2/FIP	1 x 2 x 0.64	10.0	30.1	87.0
2170236	UNITRONIC® BUS-YY L2/FIP	1 x 2 x 0.64	10.0	30.1	87.0
2170247	UNITRONIC® BUS L2/FIP ARM	1 x 2 x 0.65	11.1	80.9	131.0
for outdoor installation/direct burial - UV-resistant - "Fast Connect" cable assembly					
2170323	UNITRONIC® BUS L2/FIP BURIAL FC	1 x 2 x 0.64	10.8	26.0	115.0

Copper price basis: EUR 150 / 100 kg

Our standard lengths, please visit: 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

LAPPKABEL is a member of the INTERBUS CLUB user organization

Accessories

- FC Strip stripping tool see page 826