

## UNITRONIC® FD CP (TP) plus

Continuous flex 250V multi-pair PUR industrial communication cable; shielded

LAPP KABEL STUTTGART UNITRONIC® FD CP (TP) plus



UNITRONIC® FD CP (TP) plus is a Type CMX approved multi-pair communication cable designed for continuous flexing industrial signal and data applications. The tear-resistant polyurethane jacket provides excellent service life in harsh environments against most oils, solvents, and coolants. It has a tinned copper braid shield for EMI resistance.

### Recommended applications

High-speed automated equipment; robotics; CNC and multi-axis cutting equipment; other cable track applications

### Approvals



### Construction

**Conductors:** finely stranded bare copper

**Insulation:** polyolefin

**Pairs:** conductors are paired and twisted together; non-woven wrapping

**Shielding:** tinned copper braid

**Jacket:** specially formulated polyurethane; gray

### Application advantage

- UL/c(UL) CMX approved
- Flexible at -40°C
- Resistant to oils, solvents, and coolants
- Abrasion-resistant & halogen-free jacket
- Resistant to microbes and hydrolysis

Cable attributes		page 648	
OIL	OR-05	FLAME	FR-02
MOTION	CF-02	MECH.	MP-05

Complete the installation	
SKINTOP® MS-SC page 522	EPIC® connectors page 284

ÖLFLEX® CONNECT solution	
ÖLFLEX® CONNECT CABLES page 605	

### Technical data

<b>Minimum bend radius:</b> - for continuous flexing:	7.5 x cable diameter	<b>Mutual capacitance:</b> - up to 0.5 mm <sup>2</sup> : - up to 1.0 mm <sup>2</sup> :	18 pF/ft 21 pF/ft
<b>Temperature range:</b> - for continuous flexing: - AWM: - CMX:	-40°C to +80°C up to +80°C up to +75°C	<b>Inductance:</b>	approx. 0.65 mH/km
<b>Nominal voltage:</b>	250V (not for power)	<b>Conductor stranding:</b>	extra fine wire per VDE 0295
<b>Test voltage:</b> - conductor/conductor: - conductor/shield:	1500V 500V	<b>Color code:</b>	DIN 47100: chart 7, page 682
		<b>Approvals:</b>	UL: AWM 21576 CMX Canada: c(UL) CMX cRU AWM I/II A/B FT2 Additional: CE & RoHS