

Continuous flex data, signal & control cable

# 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

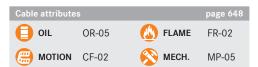
<u>Pairs:</u> conductors are paired and twisted together; non-woven wrapping

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







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



800.633.6339 • www.lapptannehill.com