

UNITRONIC® FD CP plus



■ Benefits

- UL/CSA approved, highly flexible data transmission cable with copper braiding and PUR outer sheath for power chain use

■ Application range

- Highly flexible data cable meets the highest service life requirements, even under rough climatic conditions, UL/CSA approved (CMX), ideal for export-oriented machine manufacturer

■ Product features

- Cable is halogen-free and has low capacitance
- PUR outer sheath, tear resistant and notch ductile, resistant to mineral oils and abrasion when used in power chains

- Adhesion free, resistant to hydrolysis and microbes
- Temperatures up to -40°C possible
- Flame retardant according to IEC 60332-1-2

■ Approvals (Norm references)



■ Design

- Stranded bare copper conductor, superfine
- Polyolefine core insulation
- Copper braiding, tinned
- PUR outer sheath
- Colour: grey (RAL 7001)

■ Technical data

	Core identification code DIN 47100, see Appendix T9
	Approvals CMX (UL/CSA)
	Mutual capacitance C/C approx. 60 nF/km
	Peak working voltage (not for power applications) 250 V
	Specific insulation resistance > 5 GOhm x km
	Inductivity approx. 0.65 mH/km
	Conductor stranding Strand, superfine wire in accordance with VDE 0295, single wire diameter 0.1 mm
	Conductor resistance see Appendix T11
	Minimum bending radius For flexible applications: 7.5 x cable diameter
	Test voltage 1500 V
	Range of temperature Flexing: -5°C up to +70°C fixed installation: -40°C up to +70°C

Part number	Number of cores and mm² per conductor	AWG size	Outer diameter in mm max.	Copper index kg/km	Weight kg/km approx.
UNITRONIC® FD CP plus					
0028880	2 x 0.14	26 AWG	4.5	11.2	33.0
0028881	3 x 0.14	26 AWG	4.7	14.1	36.0
0028882	4 x 0.14	26 AWG	5.1	15.5	40.0
0028883	5 x 0.14	26 AWG	5.4	18.3	45.0
0028884	7 x 0.14	26 AWG	6.0	27.8	67.0
0028885	10 x 0.14	26 AWG	7.0	39.3	87.0
0028886	14 x 0.14	26 AWG	7.1	45.3	102.0
0028887	18 x 0.14	26 AWG	7.7	54.1	118.0
0028888	25 x 0.14	26 AWG	9.2	68.4	157.0
0028889	2 x 0.25	24 AWG	5.1	14.9	38.0
0028890	3 x 0.25	24 AWG	5.4	18.8	45.0
0028891	4 x 0.25	24 AWG	5.8	21.3	52.0
0028892	5 x 0.25	24 AWG	6.2	31.0	69.0
0028893	7 x 0.25	24 AWG	7.0	39.6	84.0
0028894	10 x 0.25	24 AWG	8.5	53.9	109.0
0028895	14 x 0.25	24 AWG	8.6	64.2	136.0
0028896	18 x 0.25	24 AWG	9.4	78.4	161.0
0028897	25 x 0.25	24 AWG	11.4	101.0	213.0
0028898	2 x 0.34	22 AWG	5.6	18.1	45.0
0028899	3 x 0.34	22 AWG	5.9	28.7	61.0
0028900	4 x 0.34	22 AWG	6.3	35.7	77.0
0028901	5 x 0.34	22 AWG	6.8	39.1	83.0
0028902	7 x 0.34	22 AWG	7.7	52.7	109.0
0028903	10 x 0.34	22 AWG	9.4	67.4	147.0
0028904	14 x 0.34	22 AWG	9.5	85.8	186.0
0028905	18 x 0.34	22 AWG	10.7	99.7	216.0
0028906	25 x 0.34	22 AWG	12.9	155.0	314.0

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: 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)

■ Accessories

- SKINTOP® MS-SC-M see page 657
- SILVYN® CHAIN
- SMARTSTRIP stripping tool see page 909