

UNITRONIC® FD CP (TP) plus



Benefits

- UL/CSA approved, highly flexible and pair-twisted data transmission cable with copper braiding and PUR outer sheath for power chain use
- Ideal for export-oriented machinery and equipment manufacturers
- Copper braiding protects against interference

Application range

- Power chains
- Linear robots
- Automated handling equipment

Product features

- Decoupling by means of twisted pair (TP) cable design, low capacitance

- Halogen-free
- Cut and abrasion resistant PUR outer sheath
- Adhesion free, resistant to hydrolysis and microbes
- Flame retardant according to IEC 60332-1-2

Approvals (Norm references)



Design

- Stranded bare copper conductor
- Polyolefine core insulation
- Tinned copper braiding
- PUR outer sheath
- Colour: grey (RAL 7001)

Technical data

- Core identification code**
DIN 47100, see Appendix T9
- Approvals**
CMX (UL/CSA)
- Mutual capacitance**
Up to 0.5 mm²: 60 nF/km
Up to 1.0 mm²: 70 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 Class 6 in accordance with VDE 0295
- Minimum bending radius**
For flexible applications: 7.5 x outside diameter
- Test voltage**
C/C: 1500 V
C/S 500 V
- Range of temperature**
Flexing: -5°C up to +70°C
fixed installation:
-40°C up to +70°C

Part number	Number of pairs and mm ² per conductor	AWG size	Outer diameter	Copper index kg/km	Weight kg/km approx.
UNITRONIC® FD CP (TP) plus					
0030910	2 x 2 x 0.14	26 AWG	6.2	19.4	42.0
0030911	3 x 2 x 0.14	26 AWG	6.5	23.4	53.0
0030912	4 x 2 x 0.14	26 AWG	6.8	27.1	59.0
0030913	5 x 2 x 0.14	26 AWG	7.3	37.4	75.0
0030914	6 x 2 x 0.14	26 AWG	7.5	49.4	91.0
0030915	8 x 2 x 0.14	26 AWG	8.8	54.8	109.0
0030916	10 x 2 x 0.14	26 AWG	10.0	60.1	120.0
0030962	1 x 2 x 0.25	24 AWG	5.1	14.0	27.0
0030919	2 x 2 x 0.25	24 AWG	7.3	32.0	60.0
0030920	3 x 2 x 0.25	24 AWG	7.7	38.4	72.0
0030921	4 x 2 x 0.25	24 AWG	8.3	43.2	85.0
0030922	5 x 2 x 0.25	24 AWG	8.9	51.5	103.0
0030923	6 x 2 x 0.25	24 AWG	9.2	71.8	131.0
0030924	8 x 2 x 0.25	24 AWG	10.8	74.4	155.0
0030925	10 x 2 x 0.25	24 AWG	12.4	90.0	186.0
0030926	14 x 2 x 0.25	24 AWG	12.6	111.2	219.0
0030963	1 x 2 x 0.34	22 AWG	5.6	20.0	36.0
0030928	2 x 2 x 0.34	22 AWG	8.8	41.0	81.0
0030929	3 x 2 x 0.34	22 AWG	8.7	52.0	101.0
0030930	4 x 2 x 0.34	22 AWG	9.5	59.0	119.0
0030932	6 x 2 x 0.34	22 AWG	11.0	86.2	165.0
0030933	8 x 2 x 0.34	22 AWG	12.2	107.3	221.0
0030934	10 x 2 x 0.34	22 AWG	14.2	131.1	274.0
0030964	1 x 2 x 0.5	20 AWG	6.2	22.0	47.0
0030937	2 x 2 x 0.5	20 AWG	9.3	50.0	99.0
0030938	3 x 2 x 0.5	20 AWG	10.1	71.8	130.0
0030939	4 x 2 x 0.5	20 AWG	10.7	74.4	148.0
0030940	5 x 2 x 0.5	20 AWG	11.8	84.5	168.0
0030941	6 x 2 x 0.5	20 AWG	12.2	99.6	194.0
0030942	8 x 2 x 0.5	20 AWG	14.4	144.3	284.0
0030943	10 x 2 x 0.5	20 AWG	16.4	176.0	343.0
0030944	14 x 2 x 0.5	20 AWG	16.7	215.4	401.0
0030965	1 x 2 x 0.75	19 AWG	6.6	34.0	61.0
0030946	2 x 2 x 0.75	19 AWG	10.2	60.0	112.0
0030947	3 x 2 x 0.75	19 AWG	10.9	85.7	157.0
0030948	4 x 2 x 0.75	19 AWG	11.7	93.6	172.0
0030950	6 x 2 x 0.75	19 AWG	13.2	130.4	231.0
0030951	8 x 2 x 0.75	19 AWG	15.7	192.2	342.0
0030952	10 x 2 x 0.75	19 AWG	17.8	258.0	466.0
0030953	14 x 2 x 0.75	19 AWG	18.7	316.6	545.0
0030955	1 x 2 x 1	18 AWG	7.0	42.0	71.0
0030956	2 x 2 x 1	18 AWG	11.0	73.0	129.0
0030957	3 x 2 x 1	18 AWG	11.9	93.6	169.0
0030958	4 x 2 x 1	18 AWG	12.5	117.8	204.0
0030959	5 x 2 x 1	18 AWG	14.1	139.0	237.0

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

- SILVYN® CHAIN see page P142668]