

Product Description

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

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

Design

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

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



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

Inductivity

approx. 0.65 mH/km

Specific insulation resistance

> 5 GOhm x 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

-40°C to +70°C

Article List

Part number	Number of pairs and mm ² per conductor	AWG size	Outer diameter	Copper index kg/km	Weight kg/km
UNITRONIC® FD CP (TP) plus					
0030910	2 x 2 x 0,14	26 AWG	6.2	19.4	42
0030911	3 x 2 x 0,14	26 AWG	6.5	23.4	53
0030912	4 x 2 x 0,14	26 AWG	6.8	27.1	59
0030913	5 x 2 x 0,14	26 AWG	7.3	37.4	75
0030914	6 x 2 x 0,14	26 AWG	7.5	49.4	91
0030915	8 x 2 x 0,14	26 AWG	8.8	54.8	109
0030916	10 x 2 x 0,14	26 AWG	10.0	60.1	120
0030962	1 x 2 x 0,25	24 AWG	5.1	14.0	27
0030919	2 x 2 x 0,25	24 AWG	7.3	32.0	60
0030920	3 x 2 x 0,25	24 AWG	7.7	38.4	72
0030921	4 x 2 x 0,25	24 AWG	8.3	43.2	85
0030922	5 x 2 x 0,25	24 AWG	8.9	51.5	103
0030923	6 x 2 x 0,25	24 AWG	9.2	71.8	131
0030924	8 x 2 x 0,25	24 AWG	10.8	74.4	155
0030925	10 x 2 x 0,25	24 AWG	12.4	90.0	186
0030926	14 x 2 x 0,25	24 AWG	12.6	111.2	219
0030963	1 x 2 x 0,34	22 AWG	5.6	20.0	36

0030928	2 x 2 x 0,34	22 AWG	8.2	41.0	81
0030929	3 x 2 x 0,34	22 AWG	8.7	52.0	101
0030930	4 x 2 x 0,34	22 AWG	9.5	59.0	119
0030932	6 x 2 x 0,34	22 AWG	11.0	86.2	165
0030933	8 x 2 x 0,34	22 AWG	12.2	107.3	221
0030934	10 x 2 x 0,34	22 AWG	14.2	131.1	274
0030964	1 x 2 x 0,5	20 AWG	6.2	22.0	47
0030937	2 x 2 x 0,5	20 AWG	9.3	50.0	99
0030938	3 x 2 x 0,5	20 AWG	10.1	71.8	130
0030939	4 x 2 x 0,5	20 AWG	10.7	74.4	148
0030940	5 x 2 x 0,5	20 AWG	11.8	84.5	168
0030941	6 x 2 x 0,5	20 AWG	12.2	99.6	194
0030942	8 x 2 x 0,5	20 AWG	14.4	144.3	284
0030943	10 x 2 x 0,5	20 AWG	16.4	176.0	343
0030944	14 x 2 x 0,5	20 AWG	16.7	215.4	401
0030965	1 x 2 x 0,75	19 AWG	6.6	34.0	61
0030946	2 x 2 x 0,75	19 AWG	10.2	60.0	112
0030947	3 x 2 x 0,75	19 AWG	10.9	85.7	157
0030948	4 x 2 x 0,75	19 AWG	11.7	93.6	172
0030950	6 x 2 x 0,75	19 AWG	13.2	130.4	231
0030951	8 x 2 x 0,75	19 AWG	15.7	192.2	342
0030952	10 x 2 x 0,75	19 AWG	17.8	258.0	466
0030953	14 x 2 x 0,75	19 AWG	18.7	316.6	545
0030955	1 x 2 x 1	18 AWG	7.0	42.0	71
0030956	2 x 2 x 1	18 AWG	11.0	73.0	129
0030957	3 x 2 x 1	18 AWG	11.9	93.6	169
0030958	4 x 2 x 1	18 AWG	12.5	117.8	204
0030959	5 x 2 x 1	18 AWG	14.1	139.0	237

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

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)

Photographs are not to scale and do not represent detailed images of the respective products.