

Product Description

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

Benefits

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

Design

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

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
- Flame retardant according to IEC 60332-1-2



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

Inductivity

approx. 0.65 mH/km

Specific insulation resistance

> 5 GOhm x 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 outer diameter

Test voltage

1500 V

Range of temperature

-40°C to +70°C

Article List

Part number	Number of cores and mm ² per conductor	AWG size	Outer diameter in mm max.	Copper index kg/km	Weight kg/km
UNITRONIC® FD CP plus					
0028880	2 x 0,14	26 AWG	4.5	11.2	33
0028881	3 x 0,14	26 AWG	4.7	14.1	36
0028882	4 x 0,14	26 AWG	5.1	15.5	40
0028883	5 x 0,14	26 AWG	5.4	18.3	45
0028884	7 x 0,14	26 AWG	6.0	27.8	67
0028885	10 x 0,14	26 AWG	7.0	39.3	87
0028886	14 x 0,14	26 AWG	7.1	45.3	102
0028887	18 x 0,14	26 AWG	7.7	54.1	118
0028888	25 x 0,14	26 AWG	9.2	68.4	157
0028889	2 x 0,25	24 AWG	5.1	14.9	38
0028890	3 x 0,25	24 AWG	5.4	18.8	45
0028891	4 x 0,25	24 AWG	5.8	21.3	52
0028892	5 x 0,25	24 AWG	6.2	31.0	69
0028893	7 x 0,25	24 AWG	7.0	39.6	84
0028894	10 x 0,25	24 AWG	8.5	53.9	109
0028895	14 x 0,25	24 AWG	8.6	64.2	136
0028896	18 x 0,25	24 AWG	9.4	78.4	161
0028897	25 x 0,25	24 AWG	11.4	101.0	213



0028898	2 x 0,34	22 AWG	5.6	18.1	45
0028899	3 x 0,34	22 AWG	5.9	28.7	61
0028900	4 x 0,34	22 AWG	6.3	35.7	77
0028901	5 x 0,34	22 AWG	6.8	39.1	83
0028902	7 x 0,34	22 AWG	7.7	52.7	109
0028903	10 x 0,34	22 AWG	9.4	67.4	147
0028904	14 x 0,34	22 AWG	9.5	85.8	186
0028905	18 x 0,34	22 AWG	10.7	99.7	216
0028906	25 x 0,34	22 AWG	12.9	155.0	314

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 \leq 30 kg and \leq 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.