

UNITRONIC® FD CP plus



Multi-Conductor, Braid Shielded

250V PUR, Continuous Flex, Industrial Communication Cable

The UNITRONIC® FD CP plus series of communication cables have been designed for continuous flexing in industrial signal and bus applications. Tear and abrasion resistant polyurethane jacket provides superior service life in harsh environments with outstanding resistance to most oils, solvents and coolants. EMC resistant design is with braid shielding construction available in all conductor styles.

Recommended Applications:

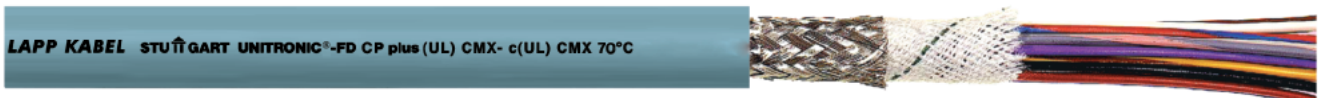
High Speed Automated Equipment, Robotics, CNC, Multi-Axis cutting equipment.

Application Advantage:

- Designed for high flexing applications up to 8 million flex life cycles
- Flexible construction for ease of routing in tight spaces
- Excellent cut-through and abrasion resistance
- Outstanding oil, solvent and coolant resistance
- Round geometry facilitates liquid-tight installation per IP 67 or NEMA 6

UNITRONIC® FD CP plus Construction:

Finely stranded bare copper conductors; polyolefin insulation; dry lubricant; non-wicking textile wrap; tinned copper braid (85% coverage); specially formulated gray polyurethane jacket for a halogen-free construction.



Cable Attributes, See Page 653

Oil Resistance: OR-05

Flame Resistance: FR-02

Motion Type: CF-01

Mechanical Properties: MP-05

Availability:

Standard put-ups are 328ft, 1640ft, and 3280ft. Bulk reels can be cut to length.

Complete the installation with:

SKINTOP® Strain Relief: Page 486

EPIC® Connectors: Page 251

OLFLEX® Tubing: Page 546

OLFLEX® Track: Page 612

Technical Data:

- ☑ Minimum Bending Radius for continuous flexing: 7.5 x cable diameter
- ☑ Conductor Stranding: Super fine wire, per VDE 0295, Class 6
- ☑ Temperature Range: Fixed installation -40°C to +70°C; Flexing installation -5°C to +70°C
- ☑ Color Code: DIN 47100, Chart 8, Page 674
- ☑ Working Voltage: 250V
- ☑ Approvals: UL: Type CMX; CSA: Type CMX
- ☑ Test Voltage: 1500V

Part Number	Number of Conductors	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Conductors	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
26 AWG (18/38) 0.14 mm ²							22 AWG (42/38) 0.34 mm ²						
0028880	2	.177	4.5	8	22	33	0028894	10	.335	8.5	36	73	109
0028881	3	.185	4.7	9	24	36	0028895	14	.339	8.6	43	91	136
0028882	4	.197	5.1	10	27	40	0028896	18	.370	9.4	53	108	161
0028883	5	.213	5.4	12	30	45	0028897	25	.449	11.4	68	143	213
0028884	7	.236	6.0	19	45	67	0028898	2	.220	5.6	12	30	45
0028885	10	.276	7.0	26	58	87	0028899	3	.232	5.9	19	41	61
0028886	14	.280	7.1	30	69	102	0028900	4	.248	6.3	24	52	77
0028887	18	.303	7.7	36	79	118	0028901	5	.268	6.8	26	56	83
0028888	25	.362	9.2	46	105	157	0028902	7	.303	7.7	35	73	109
24 AWG (32/38) 0.25 mm ²							0028903	10	.370	9.4	45	99	147
0028889	2	.201	5.1	10	26	38	0028904	14	.374	9.5	58	125	186
0028890	3	.213	5.4	13	30	45	0028905	18	.421	10.7	67	145	216
0028891	4	.228	5.8	14	35	52	0028906	25	.508	12.9	104	211	314
0028892	5	.244	6.2	21	46	69							
0028893	7	.276	7.0	27	56	84							