

UNITRONIC® FD CP (TP) plus

Multi-Pair 250V PUR Continuous Flex Industrial Communication Cable; Shielded

LAPP KABEL STUTTGART UNITRONIC® FD CP (TP) plus



UNITRONIC® FD CP (TP) plus is a Type CMX approved multi-pair communication cable designed for continuous flexing industrial signal and data applications. The tear-resistant polyurethane jacket provides excellent service life in harsh environments against most oils, solvents, and coolants. It has a tinned copper braid shield for EMI resistance.

Recommended Applications

High-speed automated equipment; robotics; CNC and multi-axis cutting equipment; other cable track applications

Approvals



Cable Attributes		page 640
OIL	OR-05	FLAME FR-02
MOTION	CF-02	MECH. MP-05

Complete the Installation	
SKINTOP® MS-SC page 516	EPIC® Connectors page 280

ÖLFLEX® CONNECT Solution	
ÖLFLEX® CONNECT CABLES page 597	

Technical Data

Minimum Bend Radius: - for continuous flexing:	7.5 x cable diameter	Mutual Capacitance: - up to 0.5 mm ² : - up to 1.0 mm ² :	18 pF/ft 21 pF/ft
Temperature Range: - for continuous flexing:	-40°C to +80°C	Inductance:	approx. 0.65 mH/km
Nominal Voltage:	250V (not for power)	Conductor Stranding:	Extra fine wire per VDE 0295
Test Voltage: - Conductor/conductor: - Conductor/shield:	1500V 500V	Color Code:	DIN 47100: Chart 7, page 674
Insulation Resistance:	> 5 GΩ x cm	Approvals:	UL: AWM 21576 CMX Canada: c(UL) CMX cRU AWM I/II A/B FT2 Additional: RoHS

Part Number	Number of Pairs	Nominal Outer Diameter (in) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread	Part Number	Number of Pairs	Nominal Outer Diameter (in) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
26 AWG (0.14 mm²)						0030929	3	0.295 7.5	35	68	53112220
0030910	2	0.232 5.9	13	28	53112210	0030930	4	0.331 8.4	40	80	53112230
0030911	3	0.244 6.2	16	36	53112210	0030932	6	0.398 10.1	58	111	53112230
0030912	4	0.264 6.7	18	40	53112210	0030933	8	0.504 12.8	72	149	53112240
0030913	5	0.287 7.3	25	50	53112220	0030934	10	0.543 13.8	88	184	53112250
0030914	6	0.295 7.5	33	61	53112220	20 AWG (0.50 mm²)					
0030915	8	0.346 8.8	37	73	53112220	0030964	1	0.232 5.9	15	32	53112210
0030916	10	0.398 10.1	40	81	53112230	0030937	2	0.327 8.3	34	67	53112230
24 AWG (0.25 mm²)						0030938	3	0.346 8.8	48	87	53112230
0030962	1	0.193 4.9	9	18	53112210	0030939	4	0.386 9.8	50	99	53112230
0030919	2	0.256 6.5	22	40	53112220	0030940	5	0.421 10.7	57	113	53112240
0030920	3	0.268 6.8	26	48	53112220	0030941	6	0.465 11.8	67	130	53112240
0030921	4	0.291 7.4	29	57	53112220	0030942	8	0.551 14	97	191	53112250
0030922	5	0.327 8.3	35	69	53112230	0030943	10	0.626 15.9	118	230	53112260
0030923	6	0.350 8.9	48	88	53112230	0030944	14	0.638 16.2	145	269	53112260
0030924	8	0.409 10.4	50	104	53112240	18 AWG (1.00 mm²)					
0030925	10	0.472 12	60	125	53112240	0030955	1	0.264 6.7	28	48	53112210
0030926	14	0.480 12.2	75	147	53112240	0030956	2	0.382 9.7	49	87	53112230
22 AWG (0.34 mm²)						0030957	3	0.409 10.4	63	114	53112240
0030963	1	0.209 5.3	13	24	53112210	0030958	4	0.457 11.6	79	137	53112240
0030928	2	0.280 7.1	28	54	53112220	0030959	5	0.500 12.7	93	159	53112250

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section.

If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.

For current information go to our website.