

UNITRONIC® FD CY

Continuous flex 350V multi-conductor PVC industrial communication cable; shielded

LAPP KABEL STUTTGART UNITRONIC® FD CY

UNITRONIC® FD CY is a DIN-style communication cable designed for continuous flexing industrial signal and communication applications. 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 648	
 OIL	OR-01	 FLAME	FR-02
 MOTION	CF-02	 MECH.	MP-01

Complete the installation



SKINTOP®
MS-SC
page 522



EPIC®
connectors
page 284

ÖLFLEX® CONNECT solution



ÖLFLEX® CONNECT CABLES
page 605

Technical data

 Minimum bend radius:			
- for continuous flexing:	7.5 x cable diameter		
 Temperature range:			
- for continuous flexing:	-5°C to +70°C		
- for stationary use:	-40°C to +80°C		
 Nominal voltage:	350V (not for power)		
 Test voltage:	1500V		
 Mutual capacitance:			
- conductor/conductor & conductor/shield:		approx. 33 pF/ft	
 Inductance:		approx. 0.65 mH/km	
 Conductor stranding:		extra fine wire per VDE 0295	
 Color code:		DIN 47100: chart 8, page 682	
 Approvals:		based on VDE 0812 CE & RoHS	

Part number	Number of conductors	Nominal outer diameter in mm		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
26 AWG (0.14 mm²)						
0027411	3	0.185	4.7	9	25	53112210
0027412	4	0.197	5.0	10	28	53112210
0027413	5	0.213	5.4	12	32	53112210
0027414	7	0.236	6.0	19	47	53112210
0027416	10	0.276	7.0	26	60	53112210
0027418	14	0.280	7.1	30	71	53112210
0027420	18	0.303	7.7	36	83	53112220
0027422	25	0.362	9.2	46	110	53112220
24 AWG (0.25 mm²)						
0027425	2	0.201	5.1	10	26	53112210
0027426	3	0.213	5.4	13	31	53112210
0027427	4	0.228	5.8	14	36	53112210
0027428	5	0.244	6.2	20	48	53112210
0027429	7	0.276	7.0	27	50	53112210

Part number	Number of conductors	Nominal outer diameter in mm		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
0027431	10	0.335	8.5	36	77	53112220
0027434	14	0.339	8.6	43	95	53112220
0027436	18	0.370	9.4	53	112	53112230
0027438	25	0.449	11.4	68	149	53112240
22 AWG (0.34 mm²)						
0027440	2	0.220	5.6	11	32	53112210
0027441	3	0.232	5.9	19	42	53112210
0027442	4	0.248	6.3	24	54	53112210
0027443	5	0.268	6.8	26	60	53112210
0027444	7	0.303	7.7	35	79	53112220
0027446	10	0.370	9.4	45	104	53112230
0027448	14	0.374	9.5	57	130	53112230
0027450	18	0.421	10.7	67	151	53112230
0027452	25	0.508	12.9	104	220	53112240