

UNITRONIC® FD 890

Continuous flex 300V multi-conductor PVC industrial communication cable; unshielded



UNITRONIC® FD 890 is designed for continuous flexing signal and low voltage control applications. The specially blended PVC jacket is resistant to most oils, solvents, and water-based coolants.

Construction

- Conductors:** finely stranded bare copper
- Insulation:** specially blended PVC; non-woven wrapping
- Jacket:** specially formulated PVC; gray

Recommended applications

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

Application advantage

- Designed for high flexing applications
- Flexible for ease of routing in tight spaces
- Resistant to oils, solvents, and coolants

Approvals



Cable attributes		page 648	
OIL	OR-03	FLAME	FR-02
MOTION	CF-02	MECH.	MP-01

Complete the installation	
SKINTOP® strain relief page 497	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	Conductor stranding: Class 6 super fine wire
Temperature range: - for continuous flexing: -5°C to +90°C - for stationary use: -40°C to +90°C	Color code: DIN 47100: chart 8, page 682
Nominal voltage: 300V (not for power)	Approvals: UL: AWM 20132 Attributes: -25°C cold bend NFPA 79 Canada: CSA AWM I/II A/B FT 1 Additional: RoHS
Test voltage: 2000V	

Part number	Number of conductors	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
24 AWG (0.24 mm²)						
892405	5	0.242	6.1	8	40	S1107
892407	7	0.281	7.1	11	50	S1111
892410	10	0.349	8.9	15	65	S1111
892414	14	0.350	18.9	21	83	S1111
892425	25	0.485	12.3	38	138	S1116

Part number	Number of conductors	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
22 AWG (0.34 mm²)						
892203	3	0.210	5.3	8	33	S1107
892205	5	0.254	6.5	12	50	S1109
892207	7	0.293	7.4	14	66	S1111
892210	10	0.377	9.6	24	91	S1113
892214	14	0.376	9.6	34	140	S1113
892218	18	0.416	10.6	43	161	S1113
892225	25	0.519	13.2	60	194	S1116