

UNITRONIC® FD 890

Multi-Conductor 300V PVC Continuous Flex 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 640	
OIL	OR-03	FLAME	FR-02
MOTION	CF-02	MECH.	MP-01

Complete the Installation	
SKINTOP® Strain Relief page 488	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	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 674
Nominal Voltage: 300V (not for power)	Approvals: UL: AWM 20132 Attributes: -25°C Cold Bend NFPA 79 Canada: CSA AWM I/II A/B FT1 Additional: RoHS
Test Voltage: 2000V	

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread
24 AWG (0.24 mm²)						22 AWG (0.34 mm²)					
892405	5	0.242 6.1	8	40	S1107	892203	3	0.210 5.3	8	33	S1107
892407	7	0.281 7.1	11	50	S1111	892205	5	0.254 6.5	12	50	S1109
892410	10	0.349 8.9	15	65	S1111	892207	7	0.293 7.4	14	66	S1111
892414	14	0.350 18.9	21	83	S1111	892210	10	0.377 9.6	24	91	S1113
892425	25	0.485 12.3	38	138	S1116	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

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.