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

Temperature Range:
- for continuous flexing: -5°C to +90°C
- for stationary use: -40°C to +90°C

Nominal Voltage: 300V (not for power)

Test Voltage: 2000V

Conductor Stranding: Class 6 super fine wire

Color Code: DIN 47100: Chart 8, page 674

Approvals:
UL: AWM 20132
Attributes: -25°C Cold Bend
NFPA 79
Canada: CSA AWM I/II A/B FT1
Additional: RoHS

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)						
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
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

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.