## Continuous Flex Data, Signal & Control Cable

# **UNITRONIC® FD 890**

## Multi-Conductor 300V PVC Continuous Flex Industrial Communication Cable; Unshielded

#### LAPP KABEL STUTTGART UNITRONIC® FD 890



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

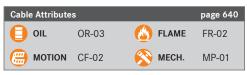
## Approvals















### ■ 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

**7 Nominal Voltage:** 300V (not for power)

Test Voltage: 2000V

Cond	uctor Stranding:	Class 6	super	tine	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

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

Part Number	Number of Conductors (incl. ground)	Nomina Diam (in)		Copper Weight (Ibs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread	Part Number	Number of Conductors (incl. ground)	Nomina Diam (in)		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	S 1111	892207	7	0.293	7.4	14	66	S1111
892414	14	0.350	18.9	21	83	S 1111	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