

# ÖLFLEX® AUTO-I

## Heavy Duty Flexible Tray Cable with Color-Coded Conductors for DC or AC Control Wiring

LAPP KABEL STUÏGART ÖLFLEX® AUTO-I



ÖLFLEX® AUTO-I is a UV-resistant, multi-conductor cable designed for use on machine tool equipment and other industrial machinery conforming to NFPA 79. ÖLFLEX® AUTO-I is color-coded with either blue, red, yellow, orange, or black conductors for DC, AC, and other control wiring.

### Recommended Applications

Machine tool machinery; food & beverage; processing equipment; automotive and machine wiring for conformance to NFPA 79

### Approvals



Cable Attributes		page 640	
OIL	OR-02	FLAME	FR-03
MOTION	FL-02	MECH.	MP-03

Complete the Installation	
SKINTOP® Strain Relief page 488	EPIC® Connectors page 280

### Construction

**Conductors:** Finely stranded bare copper

**Insulation:** Specially formulated PVC/nylon

**Jacket:** Specially formulated thermoplastic elastomer (TPE); gray

### Application Advantage

- UL TC-ER & CSA CIC/TC approval
- Number coded for easy wiring with either blue, red, orange, black, or yellow conductors

### Technical Data

**Minimum Bend Radius:** 4 x cable diameter

**Temperature Range:**  
 - UL/CSA TC: -25°C to +90°C  
 - for stationary use: -40°C to +105°C  
 - for flexible use: -25°C to +105°C

**Nominal Voltage:**  
 - UL/CSA TC: 600V  
 - UL WTTC: 1000V

**Test Voltage:** 2000V

**Conductor Stranding:** Class K fine wire

**Color Code:**  
 - up to 3c: Color & number-coded, plus green/yellow ground (black & blue have white numbers)  
 - 4c & higher (blue): No. 2 conductor is white/blue  
 - 4c & higher (red): No. 2 conductor is white  
 - 4c & higher (yellow): No. 2 conductor is white/yellow

**Approvals:**  
 UL: TC-ER per UL 1277  
 WTTC per UL 2277  
 Attributes: UL Oil Res I  
 75°C Wet; 90°C Dry  
 Sunlight Resistant  
 Direct Burial  
 NFPA 79  
 NEC: Class 1 Division 2 per NEC Article 501  
 Canada: c(UL) CIC/TC FT4  
 CSA AWM I/II A/B FT4  
 Additional: CE & 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	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
<b>18 AWG (1.00 mm<sup>2</sup>)</b>						<b>16 AWG (1.50 mm<sup>2</sup>)</b>					
251803IB	3	0.297 7.5	20	57	S1111	251603IB	3	0.323 8.2	26	66	S1111
251805IB	5	0.346 8.7	33	77	S1111	251607IB	7	0.409 10.4	60	126	S1113
251807IB	7	0.373 9.4	46	99	S1111	251611IB	11	0.541 13.7	94	203	S1121
251811IB	11	0.463 11.8	71	156	S1116	251612IB	12	0.557 14.1	103	218	S1121
251812IB	12	0.477 12.1	78	172	S1116	251617IB	17	0.638 16.1	145	256	S1121
251819IB	19	0.583 14.8	123	253	S1121	251619IB	19	0.643 16.3	162	284	S1121
251825IB	25	0.677 17.2	162	322	S1121	251625IB	25	0.737 18.7	213	397	S1129
251833IB	33	0.736 18.7	200	397	S1129	251633IB	33	0.816 20.7	270	489	S1129
251842IB	42	0.818 20.7	254	509	S1129	251642IB	42	0.950 24.1	343	628	S1129
251849IB	49	0.908 23.0	317	617	S1129	251649IB	49	1.005 25.5	401	760	S1136
251865IB	65	1.011 25.6	420	688	S1136	251665IB	65	1.123 28.5	531	1005	S1136

Part numbers shown are for blue conductors. For other colors, replace the 'B' with an 'R' for red, 'Y' for yellow, 'O' for orange, or 'BK' for black conductors.

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.