

# ÖLFLEX® AUTO-I

Heavy duty flexible tray cable with color-coded conductors for DC or AC control wiring



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 648	
OIL	OR-02	FLAME	FR-03
MOTION	FL-02	MECH.	MP-03

## Construction

**Conductors:** finely stranded bare copper

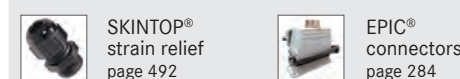
**Insulation:** specially formulated PVC/nylon

**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

## Complete the installation



## 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		Copper weight	Approx. weight	SKINTOP® SL
		in	mm	lbs/mft	lbs/mft	PG thread
<b>18 AWG (1 mm<sup>2</sup>)</b>						
251803IB	3	0.297	7.5	20	57	S1111
251805IB	5	0.346	8.7	33	77	S1111
251807IB	7	0.373	9.4	46	99	S1111
251811IB	11	0.463	11.8	71	156	S1116
251812IB	12	0.477	12.1	78	172	S1116
251819IB	19	0.583	14.8	123	253	S1121
251825IB	25	0.677	17.2	162	322	S1121
251833IB	33	0.736	18.7	200	397	S1129
251842IB	42	0.818	20.7	254	509	S1129
251849IB	49	0.908	23.0	317	617	S1129
251865IB	65	1.011	25.6	420	688	S1136

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight	Approx. weight	SKINTOP® SL
		in	mm	lbs/mft	lbs/mft	PG thread
<b>16 AWG (1.5 mm<sup>2</sup>)</b>						
251603IB	3	0.323	8.2	26	66	S1111
251607IB	7	0.409	10.4	60	126	S1113
251611IB	11	0.541	13.7	94	203	S1121
251612IB	12	0.557	14.1	103	218	S1121
251617IB	17	0.638	16.1	145	256	S1121
251619IB	19	0.643	16.3	162	284	S1121
251625IB	25	0.737	18.7	213	397	S1129
251633IB	33	0.816	20.7	270	489	S1129
251642IB	42	0.950	24.1	343	628	S1129
251649IB	49	1.005	25.5	401	760	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.