

# ÖLFLEX® SDP TC

Severe duty power cable; bus drop cable; 600V/1000V; UL & c(UL) TC approval

LAPP KABEL STUTTGART ÖLFLEX® SDP TC



ÖLFLEX® SDP TC is a motor supply cable with Bus Drop approval. It is designed with more flexible stranding and a pressure-extruded jacket, which makes routing easier. ÖLFLEX® SDP TC is also UL TC-ER and c(UL) CIC/TC approved for tray applications.

## Recommended applications

Motor connections in industrial environments; automotive machinery; machine tool; food & beverage industry

## Approvals



Cable attributes		page 648	
OIL	OR-03	FLAME	FR-03
MOTION	FL-01	MECH.	MP-03

## Construction

**Conductors:** finely stranded bare copper

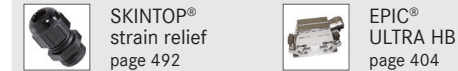
**Insulation:** specially blended PVC/nylon

**Jacket:** specially formulated thermoplastic elastomer (TPE); orange

## Application advantage

- UL TC-ER & c(UL) CIC TC approved
- UL Oil Res I/II
- Bus Drop approval

## Complete the installation



## Technical data

<b>Minimum bend radius:</b>	5 x cable diameter	<b>Approvals:</b>	UL: TC-ER per UL 1277 WTTC per UL 2277 bus drop cable AWM 20626 Attributes: UL Oil Res I/II 75°C wet; 90°C dry -40°C cold bend; -25°C cold impact sunlight resistant direct burial NFPA 79 bus drop approval
<b>Temperature range:</b>	- UL/CSA TC: -25°C to +90°C - for stationary use: -40°C to +105°C - for flexible use: -25°C to +90°C	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
<b>Nominal voltage:</b>	- UL/CSA TC: 600V - UL WTTC: 1000V		
<b>Test voltage:</b>	2000V		
<b>Conductor stranding:</b>	- 14-6 AWG: Class 5 fine wire - 4-2 AWG: Class K fine wire		
<b>Color code:</b>	black with white numbers, plus green/yellow ground		

Part number	Number of conductors incl. ground	Nominal outer diameter in mm		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
<b>14 AWG (2.5 mm²)</b>						
781404	4	0.406	10.3	65	126	S2113
<b>12 AWG (4 mm²)</b>						
781204	4	0.474	12.0	104	171	S2116
<b>10 AWG (6 mm²)</b>						
781004	4	0.584	14.8	156	257	S2121
<b>8 AWG (10 mm²)</b>						
780804	4	0.708	18.0	258	427	S2129

Part number	Number of conductors incl. ground	Nominal outer diameter in mm		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
<b>6 AWG (16 mm²)</b>						
780604	4	0.883	22.4	413	586	S2129
<b>4 AWG (21 mm²)</b>						
780404	4	1.093	27.8	551	871	S2136
<b>2 AWG (33.7 mm²)</b>						
780204	4	1.282	32.6	876	1283	S2248
<b>1 AWG (42.3 mm²)</b>						
780104	4	1.407	35.7	1064	3891	S2142

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.