

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



SKINTOP® strain relief
page 492



EPIC® ULTRA HB
page 404

Technical data

Minimum bend radius: 5 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 +90°C

Nominal voltage:
 - UL/CSA TC: 600V
 - UL WTTC: 1000V

Test voltage: 2000V

Conductor stranding:
 - 14-6 AWG: Class 5 fine wire
 - 4-2 AWG: Class K fine wire

Color code: black with white numbers, plus green/yellow ground

Approvals: 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
 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® SL PG thread
14 AWG (2.5 mm²)						
781404	4	0.406	10.3	65	126	S2113
12 AWG (4 mm²)						
781204	4	0.474	12.0	104	171	S2116
10 AWG (6 mm²)						
781004	4	0.584	14.8	156	257	S2121
8 AWG (10 mm²)						
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
6 AWG (16 mm²)						
780604	4	0.883	22.4	413	586	S2129
4 AWG (21 mm²)						
780404	4	1.093	27.8	551	871	S2136
2 AWG (33.7 mm²)						
780204	4	1.282	32.6	876	1283	S2248
1 AWG (42.3 mm²)						
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.