

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



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

Cable Attributes, see page 659

OR-03	FR-03	FL-01	MP-03
OIL	FLAME	MOTION	MECHANICAL

Complete the Installation

	SKINTOP® Strain Relief: page 502		EPIC® Connectors: page 278
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Technical Data

Minimum Bend Radius:	5 x cable diameter	Approvals:	UL: TC-ER per UL 1277 WTTTC per UL 2277 Bus Drop Cable AWM 20626 90°600V
Temperature Range:	-25°C to +90°C	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 2015 Bus Drop Approval
Nominal Voltage:	600V	NEC:	Class 1 Division 2 per NEC Articles 336, 501
Test Voltage:	1000V	Canada:	cUL CIC/TC FT4 CSA AWM I/II A/B FT4
Conductor Stranding:	Class 5 fine wire	Additional:	CE & RoHS
Color Code:	Class K fine wire		
	Black with white numbers, plus green/yellow ground		

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread
14 AWG (2.5 mm²)						6 AWG (16 mm²)					
781404	4	0.406 10.3	65	126	S2113	780604	4	0.883 22.4	413	586	S2129
12 AWG (4 mm²)						4 AWG (21 mm²)					
781204	4	0.474 12.0	104	171	S2116	780404	4	1.093 27.8	551	871	S2136
10 AWG (6 mm²)						2 AWG (33.7 mm²)					
781004	4	0.584 14.8	156	257	S2121	780204	4	1.282 32.6	876	1283	S2248
8 AWG (10 mm²)											
780804	4	0.708 18.0	258	427	S2129						

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available, please see our SKINTOP® section. Photographs are not to scale and are not true representations of the products in question. For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.