

ÖLFLEX® SDP TC

Severe Duty Power Cable; Bus Drop Cable; 600V/1000V; UL & c(UL) TC Approval



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 640	
OIL	OR-03	FLAME	FR-03
MOTION	FL-01	MECH.	MP-03

Complete the Installation	
SKINTOP® Strain Relief page 488	EPIC® ULTRA HB page 397

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

Technical Data

Minimum Bend Radius:	5 x cable diameter	Approvals:	UL: TC-ER per UL 1277 WTTC per UL 2277 Bus Drop Cable AWM 20626
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	Attributes:	UL Oil Res I/II 75°C Wet; 90°C Dry -40°C Cold Bend; -25°C Cold Impact Sunlight Resistant
Nominal Voltage:	- UL/CSA TC: 600V - UL WTTC: 1000V	NEC:	Class 1 Division 2 per NEC Article 501
Test Voltage:	2000V	Canada:	c(UL) CIC/TC FT4 CSA AWM I/II A/B FT4
Conductor Stranding:	- 14-6 AWG: Class 5 fine wire - 4-2 AWG: Class K fine wire	Additional:	CE & RoHS
Color Code:	Black with white numbers, plus green/yellow ground		

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in)	Nominal Outer Diameter (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)	Nominal Outer Diameter (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. 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.