

# OLFLEX® SDP TC

Severe Duty Power Cable  
Bus Drop Cable



OLFLEX® SDP TC is a motor supply cable with Bus Drop approval. It is designed with more flexible stranding and a pressure extruded, specially blended TPE jacket making it much easier to route. OLFLEX® SDP TC is also UL TC-ER and CSA CIC/TC approved for tray applications.

**Recommended Applications:**

Motor connections in industrial environments, Automotive machinery, Machine tool, Food and beverage

**Application Advantage:**

- UL TC-ER & CSA CIC approved
- 1000 volt rated UL AWM and 105°C
- Orange, extremely oil resistant elastomeric jacket, Oil Res I & II
- Bus Drop approval

**OLFLEX® SDP TC Construction:**

Finely stranded bare copper conductors; PVC/ nylon insulation; barrier tape; specially formulated oil and chemical resistant elastomeric alloy orange jacket.

OLFLEX® SDP TC (UL) TYPE TC-ER OIL RES I/II or Bus Drop Cable- c(UL) CIC FT4- CSA AWM FT4



**Cable Attributes, See Page 653**

	Oil Resistance: OR-03		Flame Resistance: FR-03
	Motion Type: FL-01		Mechanical Properties: MP-03

**Availability:**

Standard put-ups are 100ft, 250ft, 500ft, and 1,000ft. Bulk reels can be cut to length.

**Complete the installation with:**

	SKINTOP® Strain Relief: Page 486		EPIC® Connectors: Page 251
	OLFLEX® Tubing: Page 546		SKINTOP® Strain Relief: Page 486

Jacket is dual printed with AWG/mm<sup>2</sup> equivalent.

**Technical Data:**

	Minimum Bending Radius for installation:	7.5 x cable diameter		Color Code:	Three black conductors with white numbers, plus green/yellow ground
	Temperature Range:	-40°C to +105°C		Approvals:	UL: - Type TC-ER - UL Type MTW, NFPA 79 2007 - Wet Rating 75°C, Oil Res. I/II - Bus Drop Cable, Class 1 Div. 2 per NEC Art. 336, 318, 501 - UL-AWM 105°C - Submersible Pump
	Nominal Voltage:	600V- UL TC 1000V- TC Wind Turbine (WTTC)		CSA:	- c(UL) CIC Oil Res. FT 4 - AWM I/II A/B FT4
	Test Voltage:	4000V			
	Conductor Stranding:	Class K per UL 1581			

Part Number	Number of Conductors includes ground	Primary Diameter		Nominal Outer Diameter		Copper Weight lbs/mft	Approx. Weight	
		inches	mm	inches	mm		lbs/mft	kg/km
14 AWG (41/30) 2.08 mm <sup>2</sup> 781404	4	.114	2.9	.388	9.9	60	126	188
12 AWG (65/30) 3.30 mm <sup>2</sup> 781204	4	.138	3.5	.446	11.3	100	171	255
10 AWG (105/30) 5.32 mm <sup>2</sup> 781004	4	.190	4.8	.575	14.6	147	257	383
8 AWG (168/30) 8.52 mm <sup>2</sup> 780804	4	.262	6.6	.758	19.3	245	427	636
6 AWG (266/30) 13.48 mm <sup>2</sup> 780604	4	.296	7.5	.895	22.7	393	586	872
4 AWG (413/30) 20.93 mm <sup>2</sup> 780404	4	.378	9.6	1.093	27.8	541	871	1297
2 AWG (665/30) 33.70 mm <sup>2</sup> 780204	4	.450	11.4	1.280	32.5	853	1272	1892