

OLFLEX® SERVO TC

Tray Approved for Power and Signal
For Longer Plant Cable Runs



OLFLEX® SERVO TC is a power cable with two shielded pairs for signal/feedback. It is UL TC-ER and CSA CIC/TC making it approved for tray. OLFLEX® SERVO TC has an overall shield for EMI & RFI protection.

Recommended Applications:

Plant expansion, Contractor market, A & E firm plant designs, Tray wiring, Anywhere that VNTC® cables are used

Application Advantage:

- Tray Approved Servo Cable
- Oil Resistant PVC Jacket
- TC-ER Approved so no conduit is needed
- With Tray approval, it is perfect for long runs from a cabinet to the machine
- Meets NFPA 79 2007 Machine Wiring Standard

OLFLEX® SERVO TC Construction:

Bare copper conductors; specially blended PVC/nylon insulation; pairs have a foil shield and drain wire, overall foil shield with drain wire; specially formulated PVC jacket.

OLFLEX® SERVO TC-(UL) TYPE TC-ER 90°C 600V---c(UL) CIC/TC CSA AWM FT4 RoHS



Cable Attributes, See Page 653

Oil Resistance: OR-02	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	OLFLEX® VFD Slim: Page 130

Minimums may apply on 18, 8, 6 & 4 AWG

Jacket is dual printed with AWG/mm² equivalent.

Technical Data:

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|---------------------------------------|---|-------------|--|
| Minimum Bend Radius for installation: | 10 x cable diameter | Color Code: | Three black conductors with white numbers, plus green/yellow ground and two black pairs with white numbers (4&5, 6&7) |
| Temperature Range: | -40°C to +90°C | Approvals: | UL: - Type TC-ER (Exposed Run)
- UL AWM, UL Wet Rating 75°C
- Class 1, Div. 2 per NEC Art. 336, 392, 501
- Type MTW, NFPA 79 2007
- UL Bus Drop- 14 AWG & Larger |
| Nominal Voltage: | 600V- TC
1000V- TC Wind Turbine (WTTC) | CSA: | - c(UL) CIC/TC FT4
- AWM I/II A/B FT4, CIC/TC |
| Test Voltage: | 2000V | | |

Part Number	Description	Number of Conductors includes ground	+	2 pairs for signal shielded	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
18 AWG (19/30) 1.00 mm ²									
7518048	18/4c + 18/2pr.	4	+	18 AWG (19 Strand)	.461	11.5	64	98	146
16 AWG (28/30) 1.50 mm ²									
7516048	16/4c + 18/2pr.	4	+	18 AWG (19 Strand)	.483	12.0	88	124	185
14 AWG (46/30) 2.50 mm ²									
7514046	14/4c + 16/2pr.	4	+	16 AWG (19 Strand)	.551	13.7	110	178	265
12 AWG (56/.0117) 4 mm ²									
7512046	12/4c + 16/2pr.	4	+	16 AWG (19 Strand)	.588	14.7	172	222	330
10 AWG (84/.0117) 6 mm ²									
7510046	10/4c + 16/2pr.	4	+	16 AWG (19 Strand)	.656	16.4	220	405	603
8 AWG (74/.0159) 10 mm ²									
7508046	8/4c + 16/2pr.	4	+	16 AWG (19 Strand)	.770	19.3	329	626	932
6 AWG (119/.0159) 16 mm ²									
7506046	6/4c + 16/2pr.	4	+	16 AWG (19 Strand)	.879	22.1	491	868	1292
4 AWG (413/30) 25 mm ²									
7504046	4/4c + 16/2pr.	4	+	16 AWG (19 Strand)	1.082	27.2	661	1314	1955