

# ÖLFLEX® TRAY VTC

Flexible Tray Cable with TC-ER for Easier Installations



ÖLFLEX® TRAY VTC is a multi-conductor cable approved for use in cable trays. It is UL TC-ER & CSA CIC, making it perfect for new plant installations and factory expansions. Premium PVC insulation provides greater flexibility over PVC/nylon without sacrificing cable size.

## Recommended Applications

Plant expansion; contractor markets; A&E firm plant designs; tray wiring; anywhere VNTC® cables are used

## Approvals



## Unshielded Construction

**Conductors:** Finely stranded bare copper

**Insulation:** Specially formulated PVC

**Jacket:** Specially formulated PVC; black

## Application Advantage

- Easier to pull than standard tray cable
- PVC insulation provides greater flexibility over PVC/nylon
- UL TC-ER approval reduces material costs; no conduit is needed
- Black numbered conductors with printed color code for easy identification
- UV-resistant and direct burial
- UL wet rating 90°C

**Cable Attributes, see page 659**

OR-02 OIL	FR-03 FLAME	FL-01 MOTION	MP-03 MECHANICAL
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**Complete the Installation**

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

<b>Minimum Bend Radius:</b> - for installation: 4 x cable diameter	<b>Approvals:</b> UL: TC-ER per UL 1277 WTTTC per UL 2277 AWM 20886 Attributes: UL Oil Res I 90°C Wet; 90°C Dry Sunlight Resistant Direct Burial NFPA 79 2015 NEC: Class 1 Division 2 per NEC Article 501 Canada: c(UL) CIC FT4 cRU AWM I/II A/B FT4 Additional: CE & RoHS
<b>Temperature Range:</b> - UL TC/c(UL) CIC: -25°C to +90°C - for flexible use: -5°C to +90°C - for stationary use: -40°C to +105°C	
<b>Nominal Voltage:</b> - UL TC: 600V - UL WTTTC: 1000V - UL AWM/cRU AWM: 1000V	
<b>Test Voltage:</b> 2000V	
<b>Conductor Stranding:</b> Class B stranded wire	
<b>Color Code:</b> Black with white numbers, and color name per color chart ICEA-NEMA (K-2): Chart 10, page 698, plus green/yellow ground	

VNTC® is a registered trademark of General Cable.

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.

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Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter		Copper Weight	Approx. Weight	SKINTOP® Non-Metallic PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter		Copper Weight	Approx. Weight	SKINTOP® Non-Metallic PG Thread
		(in)	(mm)	(lbs/mft)	(lbs/mft)				(in)	(mm)	(lbs/mft)	(lbs/mft)	
<b>18 AWG (7 strand)</b>							<b>12 AWG (19 strand)</b>						
201803	3	0.286	7.3	16	46	S2111	201203	3	0.381	9.7	64	106	S2113
201804	4	0.307	7.8	21	56	S2111	201204	4	0.413	10.5	85	110	S2113
201805	5	0.332	8.4	26	67	S2111	201205	5	0.451	11.5	106	164	S2113
201807	7	0.358	9.1	37	84	S2111	201207	7	0.490	12.4	149	217	S2116
201809	9	0.411	10.4	48	106	S2113	201212	12	0.673	17.1	255	378	S2129
201812	12	0.458	11.6	63	133	S2116	201216	16	0.743	18.9	341	488	S2129
201818	18	0.562	14.3	95	204	S2121	<b>10 AWG (19 strand)</b>						
201819	19	0.562	14.3	101	211	S2121	201003	3	0.433	11.0	102	150	S2116
201825	25	0.636	16.2	132	267	S2121	201004	4	0.471	12.0	136	193	S2116
<b>16 AWG (7 strand)</b>							201005	5	0.516	13.1	170	236	S2121
201603	3	0.312	7.9	26	59	S2111	201007	7	0.594	15.1	238	333	S2129
201604	4	0.336	8.5	34	73	S2111	<b>8 AWG (19 strand)</b>						
201605	5	0.365	9.3	43	87	S2111	200804	4	0.621	15.8	217	320	S2121
201607	7	0.394	10.0	60	112	S2113	200805	5	0.680	17.3	271	392	S2129
201608	8	0.424	10.8	68	127	S2113	<b>6 AWG (19 strand)</b>						
201609	9	0.455	11.6	77	142	S2116	200604	4	0.756	19.2	343	484	S2129
201612	12	0.508	12.9	103	180	S2121	200605	5	0.871	22.1	429	629	S2129
201616	16	0.593	15.1	137	249	S2121							
201618	18	0.622	15.8	154	275	S2129							
201619	19	0.622	15.8	162	284	S2129							
201625	25	0.706	17.9	214	363	S2129							
<b>14 AWG (19 strand)</b>													
201403	3	0.344	8.7	40	78	S2111							
201404	4	0.372	9.4	54	98	S2111							
201405	5	0.405	10.3	67	118	S2113							
201407	7	0.439	11.2	94	154	S2113							
201409	9	0.509	12.9	121	197	S2121							
201412	12	0.602	15.3	161	269	S2129							
201418	18	0.697	17.7	242	381	S2129							
201419	19	0.697	17.7	255	396	S2129							
201425	25	0.794	20.2	335	508	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.