

ÖLFLEX® TRAY VTC

Flexible tray cable with TC-ER for easier installation



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



Cable attributes		page 648	
OIL	OR-02	FLAME	FR-03
MOTION	FL-01	MECH.	MP-03

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

Complete the installation	
SKINTOP® strain relief page 492	EPIC® connectors page 284

Technical data

Minimum bend radius:
- for installation: 4 x cable diameter

Temperature range:
- UL TC/c(UL) CIC: -25°C to +90°C
- for stationary use: -40°C to +105°C
- for flexible use: -5°C to +90°C

Nominal voltage:
- UL TC: 600V
- UL WTTC: 1000V
- UL AWM/cRU AWM: 1000V

Test voltage: 2000V

Conductor stranding: Class B stranded wire

Color code: black with white numbers and color per ICEA-NEMA (K-2): chart 10, page 683, plus green/yellow ground

Approvals:

UL: TC-ER per UL 1277
WTTC per UL 2277
AWM 20886

Attributes: UL Oil Res I
90°C wet; 90°C dry
sunlight resistant
direct burial
NFPA 79

NEC: Class 1 Division 2 per NEC Article 501

Canada: c(UL) CIC FT4
cRU AWM I/II A/B FT4

Additional: CE & RoHS

ÖLFLEX® TRAY VTC

Part number	Number of conductors incl. ground	Nominal outer diameter in mm		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
18 AWG (7 strand)						
201803	3	0.286	7.3	16	46	S2111
201804	4	0.307	7.8	21	56	S2111
201805	5	0.332	8.4	26	67	S2111
201807	7	0.358	9.1	37	84	S2111
201809	9	0.411	10.4	48	106	S2113
201812	12	0.458	11.6	63	133	S2116
201818	18	0.562	14.3	95	204	S2121
201819	19	0.562	14.3	101	211	S2121
201825	25	0.636	16.2	132	267	S2121
16 AWG (7 strand)						
201603	3	0.312	7.9	26	59	S2111
201604	4	0.336	8.5	34	73	S2111
201605	5	0.365	9.3	43	87	S2111
201607	7	0.394	10.0	60	112	S2113
201608	8	0.424	10.8	68	127	S2113
201609	9	0.455	11.6	77	142	S2116
201612	12	0.508	12.9	103	180	S2121
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
14 AWG (19 strand)						
201403	3	0.344	8.7	40	78	S2111
201404	4	0.372	9.4	54	98	S2111

Part number	Number of conductors incl. ground	Nominal outer diameter in mm		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
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
12 AWG (19 strand)						
201203	3	0.381	9.7	64	106	S2113
201204	4	0.413	10.5	85	110	S2113
201205	5	0.451	11.5	106	164	S2113
201207	7	0.490	12.4	149	217	S2116
201212	12	0.673	17.1	255	378	S2129
201216	16	0.743	18.9	341	488	S2129
10 AWG (19 strand)						
201003	3	0.433	11.0	102	150	S2116
201004	4	0.471	12.0	136	193	S2116
201005	5	0.516	13.1	170	236	S2121
201007	7	0.594	15.1	238	333	S2129
8 AWG (19 strand)						
200804	4	0.621	15.8	217	343	S2121
200805	5	0.680	17.3	271	392	S2129
6 AWG (19 strand)						
200604	4	0.756	19.2	343	484	S2129
200605	5	0.871	22.1	429	629	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.