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.

Unshielded Construction

Conductors: Finely stranded bare copper

Insulation: Specially formulated PVC

Jacket: Specially formulated black PVC

Recommended Applications

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

Approvals

Application Advantage

- Easier to pull than standard tray cable
- 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
- PVC insulation provides greater flexibility over PVC/nylon

Cable Attributes, see page 22

OR-02	FR-03	FL-01	MP-03
OIL	FLAME	MOTION	MECHANICAL

Complete the Installation

SKINTOP® Strain Relief

EPIC® Connectors

Technical Data

Minimum Bend Radius:
- for installation: 4 x cable diameter

Temperature Range:
- 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

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 name per color chart ICEA-NEMA (K-2): Chart 10, page 21, 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

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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.

ÖLFLEX® TRAY VTC

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
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
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

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
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	320	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. For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.

ÖLFLEX® AUTO-I

Heavy Duty, Flexible Tray Cable with Colored Conductors for DC or AC Control Wiring

ÖLFLEX® AUTO-I is a UV-resistant, multi-conductor cable designed for use on machine tool equipment and other industrial machinery conforming to NFPA 79 wiring norms. ÖLFLEX® AUTO-I is color-coded with either blue, red, yellow, orange, or black conductors for DC, AC, and other control wiring.

Construction

Conductors: Finely stranded bare copper

Insulation: Specially formulated PVC/nylon

Jacket: Specially formulated gray thermoplastic elastomer (TPE)

Recommended Applications

Machine tool machinery; food & beverage; processing equipment; automotive and machine wiring for conformance to NFPA 79

Application Advantage

- UL TC-ER & CSA CIC/TC approval
- Number coded for easy wiring with either blue, red, orange, black, or yellow conductors

Approvals

Cable Attributes, see page 22

OIL	FLAME	MOTION	MECHANICAL
OR-03	FR-03	FL-02	MP-03

Similar Cables

- ÖLFLEX® TRAY II
- ÖLFLEX® CONTROL TM

Complete the Installation

SKINTOP® Strain Relief

EPIC® Connectors

Technical Data

Minimum Bend Radius: 4 x cable diameter

Temperature Range:
- UL/CSA TC: -25°C to +90°C
- for flexible use: -25°C to +105°C
- for stationary use: -40°C to +105°C

Nominal Voltage:
- UL/CSA TC: 600V
- UL WTTC: 1000V

Test Voltage: 2000V

Conductor Stranding: Class K fine wire

Color Code:
- up to 3c: Color & number-coded, plus green/yellow ground (black and blue have white numbers)
- 4c & higher (blue): No. 2 conductor is white/blue
- -4c & higher (red): No. 2 conductor is white
- -4c & higher (yellow): No. 2 conductor is white/yellow

Approvals:
- UL: TC-ER per UL 1277; WTTC per UL 2277
- Attributes: UL Oil Res I; 75°C Wet; 90°C Dry; Sunlight Resistant; Direct Burial; NFPA 79
- NEC: Class 1 Division 2 per NEC Article 501
- Canada: c(UL) CIC/TC FT4; CSA AWM I/II A/B FT4
- Additional: CE & RoHS

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
18 AWG (1.00 mm²)						
251803IB	3	0.297	7.5	20	57	S1111
251805IB	5	0.346	8.7	33	77	S1111
251807IB	7	0.373	9.4	46	99	S1111
251811IB	11	0.463	11.8	71	156	S1116
251812IB	12	0.477	12.1	78	172	S1116
251819IB	19	0.583	14.8	123	253	S1121
251825IB	25	0.677	17.2	162	322	S1121
251833IB	33	0.736	18.7	200	397	S1129
251842IB	42	0.818	20.7	254	509	S1129
251849IB	49	0.908	23.0	317	617	S1129
251865IB	65	1.011	25.6	420	688	S1136

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
16 AWG (1.50 mm²)						
251603IB	3	0.323	8.2	26	66	S1111
251607IB	7	0.409	10.4	60	126	S1113
251611IB	11	0.541	13.7	94	203	S1121
251612IB	12	0.557	14.1	103	218	S1121
251617IB	17	0.638	16.1	145	256	S1121
251619IB	19	0.643	16.3	162	284	S1121
251625IB	25	0.737	18.7	213	397	S1129
251633IB	33	0.816	20.7	270	489	S1129
251642IB	42	0.950	24.1	343	628	S1129
251649IB	49	1.005	25.5	401	760	S1136
251665IB	65	1.123	28.5	531	1005	S1136

Part numbers shown are for blue conductors. For other colors, replace the 'B' with an 'R' for red, 'Y' for yellow, 'O' for orange, or 'K' for black conductors.

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