

# TC-Flex™ Shielded Tray Cable 14 AWG (2,5 mm<sup>2</sup>) – 2 AWG (35,0 mm<sup>2</sup>)

UL Type WTTTC 1000 V or Type TC-ER 600 V or Type MTW and c(UL) CIC/TC 600 V FT4 or CSA AWM 90°C 1000 V, Flexible, Oil Res I/II, Sunlight- and Flame-Retardant, -40°C to +90°C

**Product Construction:**

**Conductors:**

- 14 AWG (2,5 mm<sup>2</sup>) thru 2 AWG (35,0 mm<sup>2</sup>) fully annealed flexible stranded bare copper with Class 5 stranding per EN 60228 (IEC 60228)

**Insulation:**

- Polyvinyl Chloride (PVC) insulation with Polyamide (nylon) jacket per UL 83

**Conductor Identification:**

- Conductors are black with printed numbers and green/yellow grounding conductor

**Cable Assembly:**

- Conductors cabled with non-hygroscopic fillers to make the cable suitably round

**Shield:**

- Aluminum/Mylar foil shield providing 100% coverage in combination with a tinned copper braid providing 85% nominal coverage

**Jacket:**

- Black, flexible, flame-retardant, sunlight- and oil-resistant Polyvinyl Chloride (PVC) jacket

**Print:**

- GENERAL CABLE® TC-FLEX™ XX/C XXAWG (XXMM) SHIELDED (UL) TC-ER TYPE THHN/THWN 90°C DRY 75°C WET 600 V SUN RES DIR BUR OIL RES I/II OR MTW OR WTTTC 1000 V 90°C DRY c(UL) CIC/TC PVC/N 90°C FT4 --- CSA AWM I/II A/B 90°C 1000 V – ROHS CE – MADE IN USA DAY/MONTH/ YEAR OF MFG SEQUENTIAL FOOTAGE MARKER

**Minimum Bending Radius:**

- 4x O.D. for fixed installation
- 8x O.D. for flexing applications

**Applications:**

- In free air, raceways or direct burial
- (UL) WTTTC cables for use up to 1000 V in wind turbine generator applications in accordance with UL Subject 6140
- (UL) TC-ER cables for use up to 600 V as power and control cables in accordance with NEC® Article 336
- (UL) MTW cables for machine tool and wire up to 600 V as power and control cables in accordance with UL 1063
- (CSA) CIC/TC cables for use up to 600 V in cable trays and other applications when installed in accordance with the Canadian Electrical Code, Part I
- (CSA) AWM cables for use up to 1000 V as equipment wiring in accordance with the Canadian Electrical Code, Part I

**Specifications:**

**Design Adherence:**

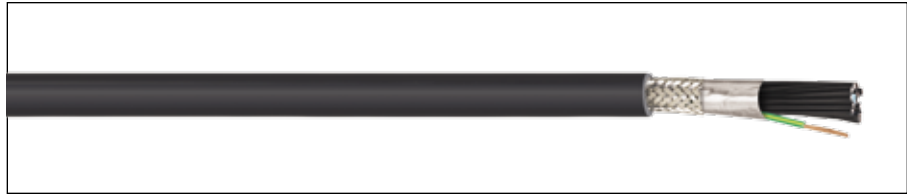
- UL 66 & UL 83/CSA C22.2 No. 75-08 Thermoplastic Insulated Wires
- UL 1063/MTW Machine Tool Wire
- UL 1277 Power and Control Tray Cables
- UL 2277 Wind Turbine Tray Cables
- CSA C22.2 No. 230-09 Tray Cables
- CSA C22.2 No. 239-09 Control and Instrumentation Cables
- CSA C22.2 No. 210-11 Appliance Wiring Material Products

**Flame Tests:**

- IEEE 1202/CSA FT 4

**Compliances:**

- Type TC-ER 90°C Dry, 75°C Wet, 600 V
- Type MTW
- Type WTTTC 90°C, 1000 V
- Type CIC/TC 90°C, 600 V
- Type AWM I/II A/B, 90°C, 1000 V FT4
- RoHS Compliant



CATALOG NUMBER	NO. OF COND. INC. GRND.	NOM. INS. THICKNESS		NOM. JACKET THICKNESS		NOM. CABLE O.D.		NOM. COPPER WEIGHT		NOM. CABLE WEIGHT		90°C AMP. @ 30°C AMBIENT <sup>1</sup>
		INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	

**14 AWG (2,50 mm<sup>2</sup>) 46 Strands**

4790.03014*	3	0.021	0.53	0.048	1.22	0.396	10.1	64	95	106	158	18
4790.04014	4	0.021	0.53	0.048	1.22	0.429	10.9	81	121	118	176	18
4790.05014*	5	0.021	0.53	0.048	1.22	0.463	11.8	98	146	139	206	18
4790.07014*	7	0.021	0.53	0.063	1.60	0.553	14.1	132	196	192	285	18
4790.09014*	9	0.021	0.53	0.063	1.60	0.604	15.3	164	244	230	342	16
4790.12014*	12	0.021	0.53	0.063	1.60	0.668	17.0	214	318	287	427	16
4790.19014*	19	0.021	0.53	0.063	1.60	0.795	20.2	325	483	412	613	12
4790.25014*	25	0.021	0.53	0.085	2.16	0.936	23.8	421	627	555	826	12
4790.30014*	30	0.021	0.53	0.085	2.16	0.986	25.0	498	741	639	951	10
4790.37014*	37	0.021	0.53	0.085	2.16	1.057	26.8	605	901	757	1,127	10

**12 AWG (4,0 mm<sup>2</sup>) 56 Strands**

4790.03012*	3	0.021	0.53	0.048	1.22	0.456	11.6	98	146	149	221	25
4790.04012	4	0.021	0.53	0.048	1.22	0.497	12.6	126	187	184	274	25
4790.05012*	5	0.021	0.53	0.063	1.60	0.568	14.4	153	228	235	350	25
4790.07012*	7	0.021	0.53	0.063	1.60	0.643	16.3	208	309	308	458	25
4790.09012*	9	0.021	0.53	0.063	1.60	0.705	17.9	261	388	378	562	20
4790.12012*	12	0.021	0.53	0.063	1.60	0.784	19.9	340	506	480	715	20
4790.19012*	19	0.021	0.53	0.085	2.16	0.985	25.0	525	781	754	1,122	17
4790.25012*	25	0.021	0.53	0.095	2.41	1.124	28.5	680	1,012	976	1,453	17
4790.30012*	30	0.021	0.53	0.095	2.41	1.185	30.1	807	1,201	1,138	1,693	14
4790.37012*	37	0.021	0.53	0.095	2.41	1.273	32.3	986	1,468	1,366	2,033	14

**10 AWG (6,0 mm<sup>2</sup>) 82 Strands**

4790.03010*	3	0.027	0.69	0.063	1.60	0.542	13.8	139	208	216	321	35
4790.04010	4	0.027	0.69	0.063	1.60	0.588	14.9	179	267	268	399	35
4790.05010*	5	0.027	0.69	0.063	1.60	0.639	16.2	219	326	321	477	35
4790.07010*	7	0.027	0.69	0.063	1.60	0.726	18.4	299	445	425	633	35
4790.09010*	9	0.027	0.69	0.063	1.60	0.800	20.3	378	562	527	784	30
4790.12010*	12	0.027	0.69	0.085	2.16	0.936	23.8	496	739	713	1,061	30
4790.19010*	19	0.027	0.69	0.095	2.41	1.145	29.1	767	1,142	1,083	1,611	25
4790.25010*	25	0.027	0.69	0.095	2.41	1.285	32.6	999	1,486	1,381	2,055	20
4790.30010*	30	0.027	0.69	0.095	2.41	1.357	34.5	1,189	1,769	1,620	2,410	20

**8 AWG (10 mm<sup>2</sup>) 74 strands**

4790.04008	4	0.039	0.99	0.063	1.60	0.735	18.7	280	417	412	613	55
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**6 AWG (16 mm<sup>2</sup>) 119 Strands**

4790.04006	4	0.039	0.99	0.085	2.16	0.914	23.2	435	647	632	941	75
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**4 AWG (21 mm<sup>2</sup>) 413 Strands**

4790.04004	4	0.050	1.27	0.095	2.41	1.094	27.8	586	872	867	1,290	90
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**2 AWG (35 mm<sup>2</sup>) 665 Strands**

4790.04002	4	0.050	1.27	0.110	2.79	1.289	32.7	928	1,381	1,294	1,926	130
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\* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

<sup>1</sup> Ampacities provided are for open cable runs, in a raceway, directly buried, or as aerial cable supported on a messenger in accordance with NEC® Articles 336.80 and 392.11, Table 310.16 and are derated in accordance with NEC® 310.15.B.2.