



1 Conductor RW90 1000V CSA FT4 TC-ER

1C	Part No.	Conductor Size	Cable O.D.		Cable Weight		Max Pulling Tension		Resistance at 25°C	Ampacity
		AWG/kcmil	in	mm	lbs/Mft	kg/km	lbs	kg	Ω/Mft	A
	82108BB-T4E	8	0.314	7.98	89	133	151	69	0.627	55
	82106BB-T4E	6	0.379	9.63	136	202	210	95	0.396	75
	82104BB-T4E	4	0.435	11.05	195	291	334	151	0.249	95
	82103BB-T4E	3	0.462	11.73	232	346	421	191	0.197	115
	82102BB-T4E	2	0.493	12.52	285	424	531	241	0.156	130
	82101BB-T4E	1	0.553	14.05	338	504	670	304	0.124	145
	82101/0BB-T4E	1/0	0.588	14.94	441	657	844	383	0.0983	170
	82102/0BB-T4E	2/0	0.627	15.93	506	752	1065	483	0.0779	195
	82103/0BB-T4E	3/0	0.669	16.99	612	911	1343	609	0.0618	225
	82104/0BB-T4E	4/0	0.735	18.67	792	1178	1692	767	0.0490	260
	821250BB-T4E	250	0.810	20.57	931	1385	2000	907	0.0415	290
	821350BB-T4E	350	0.965	24.51	1298	1931	2802	1271	0.0296	350
	821500BB-T4E	500	1.082	27.48	1769	2633	3997	1813	0.0208	430
	821600BB-T4E	600	1.123	28.52	2138	3181	4802	2178	0.0173	475
	821750BB-T4E	750	1.308	33.22	2653	3949	6002	2722	0.0138	535
	8211000BB-T4E	1000	1.462	37.13	3470	5165	7995	3627	0.0104	615

Ampacity values based on CE Code Part I 2024, Table 2. Correction factors may apply. Dimensions and weights are nominal and subject to change without notice.

### Specifications and Compliances

- CSA C22.2 No. 38, Thermoset-insulated wires and cables (Type RW90)
- CSA C22.2 No. 230, Tray Cables Exposed Run (TC-ER)
- CSA C22.2 No. 2556 FT4, IEEE 1202/UL 1685 Vertical-Tray Flame Test
- IEEE 383 & 1202, ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test rated
- -40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant, SUN RES all colours, Direct Burial, Low Acid Gas (AG14)

**Conductor** Stranded Soft Copper, ASTM B8

### Insulation

Cross-linked Polyethylene (XLPE)  
CSA Type XL 90°C dry/wet 1000V

### Jacket

Thermoplastic Elastomer (TPE) - AG14

### Applications

- For use in raceways, ventilated, non-ventilated and ladder-type cable trays.
- For dry, damp or wet locations, in ceiling air-handling plenums, direct burial, exposed and concealed wiring.
- For use in Hazardous locations: Zone 0 (intrinsically safe cables only), Zone 2, Zone 22 (per Section 18).
- Cables marked TC-ER tray cable are permitted for exposed runs as per CE Code Part I 12-2202 3) and 4).

### CUSTOM ORDER OPTIONS

