



1 Conductor RW90 600V CSA FT4-ST1 TC

1C	Part No.	Conductor Size	Cable O.D.		Cable Weight		Max Pulling Tension		Resistance at 20°C	Ampacity
		AWG/kcmil	in	mm	lbs/Mft	kg/km	lbs	kg	Ω/Mft	A
	80508B-ST1	8	0.224	5.7	73	109	151	69	0.654	55
	80506B-ST1	6	0.259	6.6	99	147	210	95	0.411	75
	80504B-ST1	4	0.315	8.0	153	228	334	151	0.259	95
	80503B-ST1	3	0.342	8.7	188	280	421	191	0.205	115
	80502B-ST1	2	0.373	9.5	234	348	531	241	0.163	130
	80501B-ST1	1	0.413	10.5	299	445	670	304	0.129	145
	80501/0B-ST1	1/0	0.448	11.4	377	561	844	383	0.102	170
	80502/0B-ST1	2/0	0.487	12.4	462	687	1065	483	0.0811	195
	80503/0B-ST1	3/0	0.529	13.4	575	856	1343	609	0.0643	225
	80504/0B-ST1	4/0	0.595	15.1	719	1070	1692	767	0.0510	260
	805250B-ST1	250	0.670	17.0	880	1310	2000	907	0.0432	290
	805350B-ST1	350	0.785	19.9	1219	1814	2802	1271	0.0308	350
	805500B-ST1	500	0.902	22.9	1716	2554	3997	1813	0.0216	430
	805600B-ST1	600	0.973	24.7	2073	3084	4802	2178	0.0180	475
	805750B-ST1	750	1.158	29.4	2585	3847	6002	2722	0.0144	535
	8051000B-ST1	1000	1.312	33.3	3414	5081	7995	3627	0.0108	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 (Type TC for 1/0 AWG and larger)
- CSA C22.2 No. 2556 FT4-ST1/UL 1685 Vertical-Tray Flame Test
- IEEE 383 & 1202, ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test rated
- NFPA 130 Smoke and Flame requirements.
- -40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant, SUN RES all colours if 8 AWG and larger; 14, 12 and 10 AWG available upon request, Halogen-Free

Conductor

Stranded Bare Soft Copper, ASTM B8

Insulation

Cross-linked Polyethylene (XLPE)
CSA Type XL 90°C dry/wet 600V, Halogen-Free

Applications

- For use in raceways, ventilated, non-ventilated and ladder-type cable trays.
- For dry, damp or wet locations and in ceiling air-handling plenums.
- Single conductor 1/0 and larger are Tray Cable approved.
- For use in Hazardous locations: Zone 0 (intrinsically safe cables only), Zone 2, Zone 22 (per Section 18).