



## 1 Conductor RW90 1000V 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
	81208B-ST1	8	0.224	5.7	73	109	151	69	0.654	55
	81206B-ST1	6	0.289	7.3	106	158	210	95	0.411	75
	81204B-ST1	4	0.345	8.8	162	241	334	151	0.259	95
	81203B-ST1	3	0.372	9.4	198	294	421	191	0.205	115
	81202B-ST1	2	0.403	10.2	244	363	531	241	0.163	130
	81201B-ST1	1	0.463	11.8	319	474	670	304	0.129	145
	81201/0B-ST1	1/0	0.498	12.6	398	593	844	383	0.102	170
	81202/0B-ST1	2/0	0.537	13.6	485	721	1065	483	0.0811	195
	81203/0B-ST1	3/0	0.579	14.7	600	893	1343	609	0.0643	225
	81204/0B-ST1	4/0	0.645	16.4	747	1112	1692	767	0.0510	260
	812250B-ST1	250	0.720	18.3	912	1357	2000	907	0.0432	290
	812350B-ST1	350	0.835	21.2	1255	1868	2802	1271	0.0308	350
	812500B-ST1	500	0.952	24.2	1758	2616	3997	1813	0.0216	430
	812600B-ST1	600	0.993	25.2	2090	3111	4802	2178	0.0180	475
	812750B-ST1	750	1.178	29.9	2606	3878	6002	2722	0.0144	535
	8121000B-ST1	1000	1.332	33.8	3438	5116	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

**Conductor** Stranded Bare Soft Copper, ASTM B8

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

### 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).