



1 Conductor RW90 600V CSA FT4-ST1 TC-ER

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
	82008BB-ST1	8	0.314	8.0	98	145	151	69	0.654	55
	82006BB-ST1	6	0.349	8.9	126	188	210	95	0.411	75
	82004BB-ST1	4	0.405	10.3	185	276	334	151	0.259	95
	82003BB-ST1	3	0.432	11.0	223	331	421	191	0.205	115
	82002BB-ST1	2	0.463	11.8	271	403	531	241	0.163	130
	82001BB-ST1	1	0.503	12.8	340	506	670	304	0.129	145
	82001/0BB-ST1	1/0	0.538	13.7	421	627	844	383	0.102	170
	82002/0BB-ST1	2/0	0.577	14.7	509	758	1065	483	0.0811	195
	82003/0BB-ST1	3/0	0.619	15.7	627	933	1343	609	0.0643	225
	82004/0BB-ST1	4/0	0.685	17.4	776	1155	1692	767	0.0510	260
	820250BB-ST1	250	0.800	20.3	975	1452	2000	907	0.0432	290
	820350BB-ST1	350	0.915	23.2	1329	1977	2802	1271	0.0308	350
	820500BB-ST1	500	1.032	26.2	1841	2740	3997	1813	0.0216	430
	820600BB-ST1	600	1.103	28.0	2207	3284	4802	2178	0.0180	475
	820750BB-ST1	750	1.288	32.7	2743	4082	6002	2722	0.0144	535
	8201000BB-ST1	1000	1.442	36.6	3592	5346	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 Exposed Run (Type TC-ER 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, Direct Burial, Low Acid Gas (AG14), Halogen-Free

Conductor

Stranded Bare Soft Copper, ASTM B8

Insulation

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

Jacket

Thermoplastic Low Smoke Zero Halogen

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.
- 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).
- Cables marked TC-ER tray cable are permitted for exposed runs as per CE Code Part I 12-2202 3) and 4).