



1 Conductor RW90 1000V 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
	82114BB-ST1	14	0.252	6.4	41	61	34	15	2.620	25
	82112BB-ST1	12	0.271	6.9	52	77	52	24	1.650	30
	82110BB-ST1	10	0.294	7.5	68	102	83	38	1.039	40
	82108BB-ST1	8	0.314	8.0	98	145	151	69	0.654	55
	82106BB-ST1	6	0.379	9.6	136	203	210	95	0.411	75
	82104BB-ST1	4	0.435	11.0	197	293	334	151	0.259	95
	82103BB-ST1	3	0.462	11.7	235	350	421	191	0.205	115
	82102BB-ST1	2	0.493	12.5	284	423	531	241	0.163	130
	82101BB-ST1	1	0.553	14.0	364	542	670	304	0.129	145
	82101/0BB-ST1	1/0	0.588	14.9	447	665	844	383	0.102	170
	82102/0BB-ST1	2/0	0.627	15.9	537	799	1065	483	0.0811	195
	82103/0BB-ST1	3/0	0.669	17.0	656	976	1343	609	0.0643	225
	82104/0BB-ST1	4/0	0.735	18.7	809	1204	1692	767	0.0510	260
	821250BB-ST1	250	0.850	21.6	1013	1508	2000	907	0.0432	290
	821350BB-ST1	350	0.965	24.5	1371	2041	2802	1271	0.0308	350
	821500BB-ST1	500	1.082	27.5	1889	2811	3997	1813	0.0216	430
	821600BB-ST1	600	1.123	28.5	2227	3314	4802	2178	0.0180	475
	821750BB-ST1	750	1.308	33.2	2767	4117	6002	2722	0.0144	535
	8211000BB-ST1	1000	1.462	37.1	3619	5385	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 1000V, 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).