



1 Conductor RW90 1000V CSA FT4 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
	82108BB-PV4	8	0.314	7.98	89	133	151	69	0.654	55
	82106BB-PV4	6	0.379	9.63	136	202	210	95	0.411	75
	82104BB-PV4	4	0.435	11.05	195	291	334	151	0.259	95
	82103BB-PV4	3	0.462	11.73	232	346	421	191	0.205	115
	82102BB-PV4	2	0.493	12.52	285	424	531	241	0.163	130
	82101BB-PV4	1	0.553	14.05	338	504	670	304	0.129	145
	82101/0BB-PV4	1/0	0.588	14.94	441	657	844	383	0.102	170
	82102/0BB-PV4	2/0	0.627	15.93	506	752	1065	483	0.0811	195
	82103/0BB-PV4	3/0	0.669	16.99	612	911	1343	609	0.0643	225
	82104/0BB-PV4	4/0	0.735	18.67	792	1178	1692	767	0.0510	260
	821250BB-PV4	250	0.810	20.57	931	1385	2000	907	0.0432	290
	821350BB-PV4	350	0.965	24.51	1298	1931	2802	1271	0.0308	350
	821500BB-PV4	500	1.082	27.48	1769	2633	3997	1813	0.0216	430
	821600BB-PV4	600	1.123	28.52	2138	3181	4802	2178	0.0180	475
	821750BB-PV4	750	1.308	33.22	2653	3949	6002	2722	0.0144	535
	8211000BB-PV4	1000	1.462	37.13	3470	5165	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 (Standard TC rated. TC-ER Optional)
- 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

Low Acid Gas (LAG) Polyvinyl Chloride (PVC)

Applications

- For use in raceways, ventilated, non-ventilated and ladder-type cable trays.
- For dry, damp or wet locations, in ceiling air-handling plenums and direct burial.
- Single conductor 1/0 and larger are Tray Cable approved
- 8 AWG to 1 AWG green jacketed are accepted for installation in cable tray for Bonding/Grounding applications.
- For use in Hazardous locations: Zone 0 (intrinsically safe cables only), Zone 2, Zone 22 (per Section 18).

CUSTOM ORDER OPTIONS

