



1 Conductor RW90 1000V CSA FT4

1C	Part No.	Conductor Size	Cable O.D.		Cable Weight		Max Pulling Tension		Resistance at 25°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	0.627	55
	82106BB-PV4	6	0.379	9.63	136	202	210	95	0.396	75
	82104BB-PV4	4	0.435	11.05	195	291	334	151	0.249	95
	82103BB-PV4	3	0.462	11.73	232	346	421	191	0.197	115
	82102BB-PV4	2	0.493	12.52	285	424	531	241	0.156	130
	82101BB-PV4	1	0.553	14.05	338	504	670	304	0.124	145
	82101/0BB-PV4	1/0	0.588	14.94	441	657	844	383	0.0983	170
	82102/0BB-PV4	2/0	0.627	15.93	506	752	1065	483	0.0779	195
	82103/0BB-PV4	3/0	0.669	16.99	612	911	1343	609	0.0618	225
	82104/0BB-PV4	4/0	0.735	18.67	792	1178	1692	767	0.0490	260
	821250BB-PV4	250	0.810	20.57	931	1385	2000	907	0.0415	290
	821350BB-PV4	350	0.965	24.51	1298	1931	2802	1271	0.0296	350
	821500BB-PV4	500	1.082	27.48	1769	2633	3997	1813	0.0208	430
	821600BB-PV4	600	1.123	28.52	2138	3181	4802	2178	0.0173	475
	821750BB-PV4	750	1.308	33.22	2653	3949	6002	2722	0.0138	535
	8211000BB-PV4	1000	1.462	37.13	3470	5165	7995	3627	0.0104	615

Ampacity values based on CEC Part I 2018, 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 (for 1/0 AWG and larger)
- CSA C22.2 No. 2556 FT4 Vertical-Tray Flame Test
- 40°C Cold Bend and -40°C Cold Impact
- SUN RES all colours, Low Acid Gas (AG14), Direct Burial (DIR BUR)

Conductor Solid and Stranded Bare Soft Copper or Tinned conductors, ASTM B8, B3 and B33

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

Jacket Low Acid Gas (LAG) Polyvinyl Chloride (PVC)

Applications

- For use in raceways (including cable tray if 1/0 AWG or larger) in wet and dry locations.
- 8 AWG to 2 AWG only green jacketed are accepted for installation in cable tray for Bonding/Grounding applications.
- To be used for exposed and concealed wiring or where subjected to the weather.
- For direct earth burial (with protection as required by inspection).
- For Hazardous Locations (if 1/0 AWG or larger) Class I-Div. 2, Class II-Div. 2 and Class III-Div. 2 as per CEC Part I J18-152, J18-254 and J18-354.