



4 Conductor RW90 1000V CSA FT4 TC

4C	Part No.	Power Conductor	Bonding Conductor	Insulation Thickness		Jacket Thickness		Cable O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius		Ampacity
		AWG/kcmil	AWG	in	mm	in	mm	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm	A
	8210804BBG-PV4	8	10	0.045	1.1	0.060	1.5	0.688	17.5	420	625	606	275	8.3	210	44
	8210604BBG-PV4	6	8	0.060	1.5	0.080	2.0	0.892	22.7	642	956	839	381	10.7	272	60
	8210404BBG-PV4	4	8	0.060	1.5	0.080	2.0	1.027	26.1	889	1323	1335	607	12.3	313	76
	8210304BBG-PV4	3	6	0.060	1.5	0.080	2.0	1.097	27.9	1073	1596	1684	765	13.2	334	92
	8210204BBG-PV4	2	6	0.060	1.5	0.080	2.0	1.175	29.9	1275	1898	2125	966	14.1	358	104
	8210104BBG-PV4	1	6	0.080	2.0	0.080	2.0	1.325	33.7	1614	2402	2681	1218	15.9	404	116
	82101/004BBG-PV4	1/0	6	0.080	2.0	0.080	2.0	1.410	35.8	1950	2902	3375	1534	16.9	430	136
	82102/004BBG-PV4	2/0	6	0.080	2.0	0.080	2.0	1.504	38.2	2317	3448	4259	1936	18.0	458	156
	82103/004BBG-PV4	3/0	4	0.080	2.0	0.080	2.0	1.613	41.0	2862	4259	5372	2442	19.4	492	180
	82104/004BBG-PV4	4/0	4	0.080	2.0	0.110	2.8	1.832	46.5	3591	5344	6767	3076	22.0	558	208
	82125004BBG-PV4	250	4	0.090	2.3	0.110	2.8	2.016	51.2	4307	6410	8000	3636	24.2	614	232
	82130004BBG-PV4	300	4	0.090	2.3	0.110	2.8	2.146	54.5	5025	7478	9590	4359	25.7	654	256
	82135004BBG-PV4	350	3	0.090	2.3	0.110	2.8	2.296	58.3	5801	8633	11209	5095	27.6	700	280
	82140004BBG-PV4	400	3	0.090	2.3	0.110	2.8	2.357	59.9	6487	9654	12806	5821	28.3	718	344
	82150004BBG-PV4	500	2	0.090	2.3	0.110	2.8	2.583	65.6	7953	11836	15987	7267	31.0	787	380
	82160004BBG-PV4	600	2	0.090	2.3	0.110	2.8	2.682	68.1	9326	13879	19209	8731	32.2	817	428
	82175004BBG-PV4	750	2	0.090	2.3	0.140	3.6	3.187	81.0	11706	17421	24007	10912	38.2	972	492

Ampacity values based on CE Code Part I 2021, 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
- -40°C Cold Bend and -40°C Cold Impact
- SUN RES all colours

Conductor Stranded Bare Soft Copper, ASTM B8

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

Jacket Low Acid Gas Polyvinyl Chloride (PVC)

Colour Code Black, White, Red and Blue or
Black with White printed number

Bonding Green Insulated Stranded Bare Soft Copper, ASTM B8

Applications

- For wet and dry locations.
- For use in raceways, including cable trays, Ventilated, non-ventilated, ladder tray and direct burial.
- To be used for exposed and concealed wiring or where subjected to the weather.
- For Hazardous Locations Class I-Zone 0 Intrinsically safe Div. 2, Class II-Zone 2 Div. 2 and Class III-Div. 2.
- Cables marked TC-ER tray cable are permitted to transition between cable trays, and utilization equipment or devices as per CE Code Part I 12-2202 2) and 3).

