



2 Conductor RW90 1000V CSA FT4 TC

2C	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
	8210802BBG-PV4	8	10	0.045	1.1	0.060	1.5	0.597	15.2	260	387	303	138	7.2	182	55
	8210602BBG-PV4	6	8	0.060	1.5	0.060	1.5	0.734	18.6	378	562	419	191	8.8	224	75
	8210402BBG-PV4	4	8	0.060	1.5	0.080	2.0	0.886	22.5	538	801	668	303	10.6	270	95
	8210302BBG-PV4	3	6	0.060	1.5	0.080	2.0	0.944	24.0	647	963	842	383	11.3	288	115
	8210202BBG-PV4	2	6	0.060	1.5	0.080	2.0	1.006	25.6	751	1117	1063	483	12.1	307	130
	8210102BBG-PV4	1	6	0.080	2.0	0.080	2.0	1.132	28.8	934	1390	1340	609	13.6	345	145
	82101/002BBG-PV4	1/0	6	0.080	2.0	0.080	2.0	1.206	30.6	1109	1650	1687	767	14.5	367	170
	82102/002BBG-PV4	2/0	6	0.080	2.0	0.080	2.0	1.284	32.6	1297	1931	2130	968	15.4	391	195
	82103/002BBG-PV4	3/0	4	0.080	2.0	0.080	2.0	1.376	34.9	1605	2389	2686	1221	16.5	419	225
	82104/002BBG-PV4	4/0	4	0.080	2.0	0.080	2.0	1.508	38.3	1924	2863	3384	1538	18.1	460	260
	82125002BBG-PV4	250	4	0.090	2.3	0.110	2.8	1.720	43.7	2391	3558	4000	1818	20.6	524	290
	82130002BBG-PV4	300	4	0.090	2.3	0.110	2.8	1.828	46.4	2759	4107	4795	2180	21.9	557	320
	82135002BBG-PV4	350	3	0.090	2.3	0.110	2.8	1.954	49.6	3178	4729	5605	2548	23.4	596	350
	82140002BBG-PV4	400	3	0.090	2.3	0.110	2.8	2.004	50.9	3525	5246	6403	2910	24.0	611	380
	82150002BBG-PV4	500	2	0.090	2.3	0.110	2.8	2.192	55.7	4299	6398	7993	3633	26.3	668	430
	82160002BBG-PV4	600	2	0.090	2.3	0.110	2.8	2.274	57.8	4993	7430	9604	4366	27.3	693	475
	82175002BBG-PV4	750	2	0.090	2.3	0.110	2.8	2.644	67.2	6121	9110	12004	5456	31.7	806	535

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 and White 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).

