



3 Conductor RW90 1000V CSA FT4 TC

3C	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
	8210803BBG-PV4	8	10	0.045	1.1	0.060	1.5	0.630	16.0	339	504	454	206	7.6	192	55
	8210603BBG-PV4	6	8	0.060	1.5	0.060	1.5	0.777	19.7	491	730	629	286	9.3	237	75
	8210403BBG-PV4	4	8	0.060	1.5	0.080	2.0	0.937	23.8	710	1057	1001	455	11.2	286	95
	8210303BBG-PV4	3	6	0.060	1.5	0.080	2.0	1.000	25.4	856	1275	1263	574	12.0	305	115
	8210203BBG-PV4	2	6	0.060	1.5	0.080	2.0	1.067	27.1	1008	1500	1594	724	12.8	325	130
	8210103BBG-PV4	1	6	0.080	2.0	0.080	2.0	1.205	30.6	1271	1892	2010	914	14.5	367	145
	82101/003BBG-PV4	1/0	6	0.080	2.0	0.080	2.0	1.280	32.5	1525	2270	2531	1150	15.4	390	170
	82102/003BBG-PV4	2/0	6	0.080	2.0	0.080	2.0	1.364	34.7	1802	2682	3195	1452	16.4	416	195
	82103/003BBG-PV4	3/0	4	0.080	2.0	0.080	2.0	1.462	37.1	2228	3316	4029	1831	17.5	446	225
	82104/003BBG-PV4	4/0	4	0.080	2.0	0.080	2.0	1.604	40.7	2698	4015	5075	2307	19.3	489	260
	82125003BBG-PV4	250	4	0.090	2.3	0.110	2.8	1.828	46.4	3340	4971	6000	2727	21.9	557	290
	82130003BBG-PV4	300	4	0.090	2.3	0.110	2.8	1.944	49.4	3883	5778	7193	3269	23.3	593	320
	82135003BBG-PV4	350	3	0.090	2.3	0.110	2.8	2.079	52.8	4479	6666	8407	3821	25.0	634	350
	82140003BBG-PV4	400	3	0.090	2.3	0.110	2.8	2.133	54.2	4996	7434	9605	4366	25.6	650	380
	82150003BBG-PV4	500	2	0.090	2.3	0.110	2.8	2.335	59.3	6115	9100	11990	5450	28.0	712	430
	82160003BBG-PV4	600	2	0.090	2.3	0.110	2.8	2.423	61.6	7147	10637	14407	6548	29.1	739	475
	82175003BBG-PV4	750	2	0.090	2.3	0.140	3.6	2.881	73.2	8975	13357	18005	8184	34.6	878	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, White and Red 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).

