



3 Conductor RW90 1000V CSA FT4 TC-ER

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-P4E	8	10	0.045	1.1	0.060	1.5	0.630	16.0	339	504	454	206	5.7	144	55
	8210603BBG-P4E	6	8	0.060	1.5	0.060	1.5	0.777	19.7	491	730	629	286	7.0	178	75
	8210403BBG-P4E	4	8	0.060	1.5	0.080	2.0	0.937	23.8	710	1057	1001	455	8.4	214	95
	8210303BBG-P4E	3	6	0.060	1.5	0.080	2.0	1.000	25.4	856	1275	1263	574	9.0	229	115
	8210203BBG-P4E	2	6	0.060	1.5	0.080	2.0	1.067	27.1	1008	1500	1594	724	9.6	244	130
	8210103BBG-P4E	1	6	0.080	2.0	0.080	2.0	1.205	30.6	1271	1892	2010	914	10.8	275	145
	82101/003BBG-P4E	1/0	6	0.080	2.0	0.080	2.0	1.280	32.5	1525	2270	2531	1150	11.5	293	170
	82102/003BBG-P4E	2/0	6	0.080	2.0	0.080	2.0	1.364	34.7	1802	2682	3195	1452	12.3	312	195
	82103/003BBG-P4E	3/0	4	0.080	2.0	0.080	2.0	1.462	37.1	2228	3316	4029	1831	13.2	334	225
	82104/003BBG-P4E	4/0	4	0.080	2.0	0.080	2.0	1.604	40.7	2698	4015	5075	2307	14.4	367	260
	82125003BBG-P4E	250	4	0.090	2.3	0.110	2.8	1.828	46.4	3340	4971	6000	2727	16.5	418	290
	82130003BBG-P4E	300	4	0.090	2.3	0.110	2.8	1.944	49.4	3883	5778	7193	3269	17.5	444	320
	82135003BBG-P4E	350	3	0.090	2.3	0.110	2.8	2.079	52.8	4479	6666	8407	3821	18.7	475	350
	82140003BBG-P4E	400	3	0.090	2.3	0.110	2.8	2.133	54.2	4996	7434	9605	4366	19.2	488	380
	82150003BBG-P4E	500	2	0.090	2.3	0.110	2.8	2.335	59.3	6115	9100	11990	5450	21.0	534	430
	82160003BBG-P4E	600	2	0.090	2.3	0.110	2.8	2.423	61.6	7147	10637	14407	6548	21.8	554	475
	82175003BBG-P4E	750	2	0.090	2.3	0.140	3.6	2.881	73.2	8975	13357	18005	8184	25.9	659	535

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 Exposed Run (TC-ER)
- 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

Bonding Stranded Soft Copper, ASTM B8, XLPE Insulated (Green)

Jacket Thermoplastic Elastomer (TPE) - AG14

Colour Code Black, White and Blue or Black with White printed numbers

Applications

- For use in raceways, ventilated, non-ventilated and ladder-type cable trays.
- For dry, damp or wet locations, in ceiling air-handling plenums, direct burial, exposed and concealed wiring.
- For use in Hazardous locations: Zone 0 (intrinsically safe cables only), Zone 2, Zone 22 (per Section 18).
- Cables marked TC-ER tray cable are permitted for exposed runs as per CE Code Part I 12-2202 3) and 4).

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