



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 (Type 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 Low Acid Gas Polyvinyl Chloride (PVC)

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).

CUSTOM ORDER OPTIONS

