



2 Conductor RW90 1000V CSA FT4 TC-ER

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-P4E	8	10	0.045	1.1	0.060	1.5	0.597	15.2	260	387	303	138	5.4	136	55
	8210602BBG-P4E	6	8	0.060	1.5	0.060	1.5	0.734	18.6	378	562	419	191	6.6	168	75
	8210402BBG-P4E	4	8	0.060	1.5	0.080	2.0	0.886	22.5	538	801	668	303	8.0	202	95
	8210302BBG-P4E	3	6	0.060	1.5	0.080	2.0	0.944	24.0	647	963	842	383	8.5	216	115
	8210202BBG-P4E	2	6	0.060	1.5	0.080	2.0	1.006	25.6	751	1117	1063	483	9.1	230	130
	8210102BBG-P4E	1	6	0.080	2.0	0.080	2.0	1.132	28.8	934	1390	1340	609	10.2	259	145
	82101/002BBG-P4E	1/0	6	0.080	2.0	0.080	2.0	1.206	30.6	1109	1650	1687	767	10.9	276	170
	82102/002BBG-P4E	2/0	6	0.080	2.0	0.080	2.0	1.284	32.6	1297	1931	2130	968	11.6	293	195
	82103/002BBG-P4E	3/0	4	0.080	2.0	0.080	2.0	1.376	34.9	1605	2389	2686	1221	12.4	314	225
	82104/002BBG-P4E	4/0	4	0.080	2.0	0.080	2.0	1.508	38.3	1924	2863	3384	1538	13.6	345	260
	82125002BBG-P4E	250	4	0.090	2.3	0.110	2.8	1.720	43.7	2391	3558	4000	1818	15.5	393	290
	82130002BBG-P4E	300	4	0.090	2.3	0.110	2.8	1.828	46.4	2759	4107	4795	2180	16.5	418	320
	82135002BBG-P4E	350	3	0.090	2.3	0.110	2.8	1.954	49.6	3178	4729	5605	2548	17.6	447	350
	82140002BBG-P4E	400	3	0.090	2.3	0.110	2.8	2.004	50.9	3525	5246	6403	2910	18.0	458	380
	82150002BBG-P4E	500	2	0.090	2.3	0.110	2.8	2.192	55.7	4299	6398	7993	3633	19.7	501	430
	82160002BBG-P4E	600	2	0.090	2.3	0.110	2.8	2.274	57.8	4993	7430	9604	4366	20.5	520	475
	82175002BBG-P4E	750	2	0.090	2.3	0.110	2.8	2.644	67.2	6121	9110	12004	5456	23.8	605	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 and White 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

