



2 Conductor RW90 1000V CSA FT4-ST1 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
	8211402BBG-ST1	14	14	0.045	1.1	0.060	1.5	0.437	11.1	104	155	68	31	3.9	100	25
	8211202BBG-ST1	12	12	0.045	1.1	0.060	1.5	0.478	12.1	135	202	104	47	4.3	109	30
	8211002BBG-ST1	10	10	0.045	1.1	0.080	2.0	0.557	14.1	200	297	166	75	5.0	127	40
	8210802BBG-ST1	8	10	0.045	1.1	0.060	1.5	0.597	15.2	260	387	303	138	5.4	136	55
	8210602BBG-ST1	6	8	0.060	1.5	0.060	1.5	0.729	18.5	371	551	419	191	6.6	167	75
	8210402BBG-ST1	4	8	0.060	1.5	0.080	2.0	0.881	22.4	531	790	668	303	7.9	201	95
	8210302BBG-ST1	3	6	0.060	1.5	0.080	2.0	0.944	24.0	647	963	842	383	8.5	216	115
	8210202BBG-ST1	2	6	0.060	1.5	0.080	2.0	1.006	25.6	751	1117	1063	483	9.1	230	130
	8210102BBG-ST1	1	6	0.080	2.0	0.080	2.0	1.126	28.6	922	1372	1340	609	10.1	258	145
	82101/002BBG-ST1	1/0	6	0.080	2.0	0.080	2.0	1.200	30.5	1097	1632	1687	767	10.8	274	170
	82102/002BBG-ST1	2/0	6	0.080	2.0	0.080	2.0	1.278	32.5	1285	1913	2130	968	11.5	292	195
	82103/002BBG-ST1	3/0	4	0.080	2.0	0.080	2.0	1.370	34.8	1591	2367	2686	1221	12.3	313	225
	82104/002BBG-ST1	4/0	4	0.080	2.0	0.080	2.0	1.502	38.1	1910	2842	3384	1538	13.5	343	260
	82125002BBG-ST1	250	4	0.090	2.3	0.110	2.8	1.652	42.0	2268	3376	4000	1818	14.9	378	290
	82130002BBG-ST1	300	4	0.090	2.3	0.110	2.8	1.820	46.2	2737	4073	4795	2180	16.4	416	320
	82135002BBG-ST1	350	3	0.090	2.3	0.110	2.8	1.946	49.4	3154	4694	5605	2548	17.5	445	350
	82140002BBG-ST1	400	3	0.090	2.3	0.110	2.8	1.996	50.7	3501	5210	6403	2910	18.0	456	380
	82150002BBG-ST1	500	2	0.090	2.3	0.110	2.8	2.184	55.5	4274	6360	7993	3633	19.7	499	430
	82160002BBG-ST1	600	2	0.090	2.3	0.110	2.8	2.266	57.6	4967	7392	9604	4366	20.4	518	475
	82175002BBG-ST1	750	2	0.090	2.3	0.110	2.8	2.636	67.0	6096	9071	12004	5456	23.7	603	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-ST1/UL 1685 Vertical-Tray Flame Test
- IEEE 383 & 1202, ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test rated
- NFPA 130 Smoke and Flame requirements.
- 40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant, Direct Burial, Low Acid Gas (AG14), Halogen-Free

Conductor Stranded Soft Copper, ASTM B8
Insulation Cross-linked Polyethylene (XLPE)
 CSA Type XL 90°C dry/wet 1000V,
 Halogen-Free

Bonding

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

Jacket

Thermoplastic Flame Retardant LSZH Compound

Colour Code

Black & White or Black with
 White 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).