



4 Conductor RW90 1000V CSA FT4-ST1 TC-ER

4C	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
	8211404BBG-ST1	14	14	0.045	1.1	0.060	1.5	0.503	12.8	157	233	606	275	4.5	115	20
	8211204BBG-ST1	12	12	0.060	1.5	0.080	2.0	0.582	14.8	224	333	839	381	5.2	133	24
	8211004BBG-ST1	10	10	0.060	1.5	0.080	2.0	0.640	16.3	303	452	1335	607	5.8	146	32
	8210804BBG-ST1	8	10	0.045	1.1	0.060	1.5	0.688	17.5	420	625	606	275	6.2	157	44
	8210604BBG-ST1	6	8	0.060	1.5	0.080	2.0	0.888	22.6	635	945	839	381	8.0	203	60
	8210404BBG-ST1	4	8	0.060	1.5	0.080	2.0	1.023	26.0	882	1312	1335	607	9.2	234	76
	8210304BBG-ST1	3	6	0.060	1.5	0.080	2.0	1.097	27.9	1073	1596	1684	765	9.9	251	92
	8210204BBG-ST1	2	6	0.060	1.5	0.080	2.0	1.175	29.9	1275	1898	2125	966	10.6	269	104
	8210104BBG-ST1	1	6	0.080	2.0	0.080	2.0	1.320	33.5	1602	2384	2681	1218	11.9	302	116
	82101/004BBG-ST1	1/0	6	0.080	2.0	0.080	2.0	1.404	35.7	1938	2884	3375	1534	12.6	321	136
	82102/004BBG-ST1	2/0	6	0.080	2.0	0.080	2.0	1.498	38.1	2305	3430	4259	1936	13.5	342	156
	82103/004BBG-ST1	3/0	4	0.080	2.0	0.080	2.0	1.607	40.8	2848	4238	5372	2442	14.5	367	180
	82104/004BBG-ST1	4/0	4	0.080	2.0	0.110	2.8	1.826	46.4	3576	5322	6767	3076	16.4	418	208
	82125004BBG-ST1	250	4	0.090	2.3	0.110	2.8	2.007	51.0	4285	6376	8000	3636	18.1	459	232
	82130004BBG-ST1	300	4	0.090	2.3	0.110	2.8	2.137	54.3	5002	7444	9590	4359	19.2	489	256
	82135004BBG-ST1	350	3	0.090	2.3	0.110	2.8	2.288	58.1	5777	8598	11209	5095	20.6	523	280
	82140004BBG-ST1	400	3	0.090	2.3	0.110	2.8	2.348	59.6	6463	9619	12806	5821	21.1	537	344
	82150004BBG-ST1	500	2	0.090	2.3	0.110	2.8	2.574	65.4	7928	11798	15987	7267	23.2	588	380
	82160004BBG-ST1	600	2	0.090	2.3	0.110	2.8	2.673	67.9	9301	13841	19209	8731	24.1	611	428
	82175004BBG-ST1	750	2	0.090	2.3	0.140	3.6	3.179	80.7	11680	17382	24007	10912	28.6	727	492

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 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

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

Bonding Green Insulated Stranded Bare Soft Copper, ASTM B8

Jacket Thermoplastic Low Smoke Zero Halogen

Colour Code Black, Red, Blue & 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.
- Allowed 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).

