



## 12 AWG RW90 600V CSA FT4-ST1 TC-ER

12 AWG	Part No.	Conductor Count	Bonding Conductor		Insulation Thickness		Jacket Thickness		Cable O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius		Ampacity
			AWG		in	mm	in	mm	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm	
	8201202BBG-ST1	2/C	12		0.030	0.8	0.045	1.1	0.414	10.5	116	173	104	47	3.7	95	30
	8201203BBG-ST1	3/C	12		0.030	0.8	0.045	1.1	0.436	11.1	146	217	156	71	3.9	100	30
	8201204BBG-ST1	4/C	12		0.030	0.8	0.045	1.1	0.476	12.1	177	263	208	94	4.3	109	24
	8201205BBG-ST1	5/C	12		0.030	0.8	0.06	1.5	0.549	14.0	227	338	260	118	4.9	126	24
	8201206BBG-ST1	6/C	12		0.030	0.8	0.06	1.5	0.568	14.4	258	384	313	142	5.1	130	24
	8201207BBG-ST1	7/C	12		0.030	0.8	0.06	1.5	0.595	15.1	289	430	365	166	5.4	136	21
	8201208BBG-ST1	8/C	12		0.030	0.8	0.06	1.5	0.640	16.3	323	481	417	189	5.8	146	21
	8201209BBG-ST1	9/C	12		0.030	0.8	0.06	1.5	0.663	16.8	354	527	469	213	6.0	152	21
	8201210BBG-ST1	10/C	12		0.030	0.8	0.06	1.5	0.692	17.6	386	574	521	236	6.2	158	21
	8201211BBG-ST1	11/C	12		0.030	0.8	0.06	1.5	0.717	18.2	417	620	573	260	6.5	164	21
	8201212BBG-ST1	12/C	12		0.030	0.8	0.06	1.5	0.743	18.9	448	667	625	283	6.7	170	21
	8201215BBG-ST1	15/C	12		0.030	0.8	0.08	2.0	0.869	22.1	577	859	781	354	7.8	199	21
	8201220BBG-ST1	20/C	12		0.030	0.8	0.08	2.0	0.983	25.0	736	1096	1042	473	8.8	225	21
	8201225BBG-ST1	25/C	12		0.030	0.8	0.08	2.0	1.088	27.6	894	1331	1302	591	9.8	249	18
	8201230BBG-ST1	30/C	12		0.030	0.8	0.08	2.0	1.154	29.3	1048	1560	1563	709	10.4	264	18
	8201240BBG-ST1	40/C	12		0.030	0.8	0.08	2.0	1.289	32.7	1353	2013	2084	945	11.6	295	18
	8201250BBG-ST1	50/C	12		0.030	0.8	0.08	2.0	1.431	36.3	1658	2467	2605	1182	12.9	327	15

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 600V

**Bonding** Green Insulated Stranded Bare Soft Copper, ASTM B8

**Jacket** Thermoplastic Low Smoke Zero Halogen

**Colour Code** 2C Black & White, 3C Black, Red & Blue, 4C Black, Red, Blue & White, 5C - 50C 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).

