



10 AWG RW90 600V CSA FT4-ST1 TC-ER

10 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	A
	8201002BBG-ST1	2/C	10	0.030	0.8	0.045	1.1	0.462	11.7	162	242	166	75	4.2	106	40
	8201003BBG-ST1	3/C	10	0.030	0.8	0.045	1.1	0.488	12.4	206	307	249	113	4.4	112	40
	8201004BBG-ST1	4/C	10	0.030	0.8	0.060	1.5	0.564	14.3	268	399	332	151	5.1	129	32
	8201005BBG-ST1	5/C	10	0.030	0.8	0.060	1.5	0.614	15.6	320	477	415	188	5.5	140	32
	8201006BBG-ST1	6/C	10	0.030	0.8	0.060	1.5	0.635	16.1	365	543	498	226	5.7	145	32
	8201007BBG-ST1	7/C	10	0.030	0.8	0.060	1.5	0.666	16.9	411	612	581	264	6.0	152	28
	8201008BBG-ST1	8/C	10	0.030	0.8	0.060	1.5	0.719	18.3	460	685	664	301	6.5	164	28
	8201009BBG-ST1	9/C	10	0.030	0.8	0.060	1.5	0.745	18.9	506	753	747	339	6.7	170	28
	8201010BBG-ST1	10/C	10	0.030	0.8	0.060	1.5	0.778	19.8	552	822	830	377	7.0	178	28
	8201011BBG-ST1	11/C	10	0.030	0.8	0.060	1.5	0.807	20.5	598	890	913	414	7.3	185	28
	8201012BBG-ST1	12/C	10	0.030	0.8	0.080	2.0	0.877	22.3	678	1009	996	452	7.9	200	28
	8201015BBG-ST1	15/C	10	0.030	0.8	0.080	2.0	0.976	24.8	821	1223	1245	565	8.8	223	28
	8201020BBG-ST1	20/C	10	0.030	0.8	0.080	2.0	1.107	28.1	1055	1570	1660	753	10.0	253	28
	8201025BBG-ST1	25/C	10	0.030	0.8	0.080	2.0	1.232	31.3	1289	1919	2075	941	11.1	282	24
	8201030BBG-ST1	30/C	10	0.030	0.8	0.080	2.0	1.303	33.1	1513	2252	2490	1130	11.7	298	24
	8201040BBG-ST1	40/C	10	0.030	0.8	0.080	2.0	1.458	37.0	1963	2922	3320	1506	13.1	333	24
	8201050BBG-ST1	50/C	10	0.030	0.8	0.080	2.0	1.622	41.2	2414	3593	4150	1883	14.6	371	20

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 105°C dry, 90°C wet 600V,
Halogen-Free

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

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).

