



AC90 600V CSA FT4-ST1 LSZH

3C	Part No.	Power Conductor	Ground Conductor	Insulation Thickness		Armour O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius		Ampacity
		AWG/kcmil	AWG	in	mm	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm	A
	9030603	6/7	8/7	0.045	1.14	0.800	20.3	243	361	526	239	11.2	285	55
	9030403	4/7	6/7	0.045	1.14	0.880	22.4	286	426	832	377	12.3	313	75
	9030203	2/7	6/7	0.045	1.14	1.030	26.2	392	583	1322	600	14.4	366	100
	9030103	1/7	4/7	0.055	1.40	1.160	29.5	477	710	1653	750	16.2	413	115
	90301/003	1/0	4/7	0.055	1.40	1.250	31.8	622	925	2081	944	17.5	445	135
	90302/003	2/0	4/7	0.055	1.40	1.320	33.5	738	1099	2696	1223	18.5	469	150
	90303/003	3/0	4/7	0.055	1.40	1.420	36.1	843	1254	3375	1531	19.9	505	175
	90304/003	4/0	4/7	0.055	1.40	1.530	38.9	994	1479	4199	1905	21.4	544	205
	90325003	250	2/7	0.065	1.65	1.641	41.7	1203	1791	5152	2337	23.0	584	230
	90330003	300	2/7	0.065	1.65	1.828	46.4	1355	2017	5807	2634	25.6	650	260
	90335003	350	2/7	0.065	1.65	1.843	46.8	1546	2301	7396	3355	25.8	655	280
	90340003	400	2/7	0.065	1.65	1.991	50.6	1713	2549	7960	3611	27.9	708	305
	90350003	500	1	0.065	1.65	2.155	54.7	2112	3143	9804	4447	30.2	766	350
	90360003	600	1	0.080	2.03	2.320	59.0	2447	3642	12103	5490	32.5	825	385
	90375003	750	1/0	0.080	2.03	2.523	64.1	2934	4367	15568	7062	35.3	897	435

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		AWG	AWG	in	mm	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm	A
	9030404	4/7	6/7	0.045	1.14	0.937	23.9	405	603	1109	503	13.1	333	60
	9030204	2/7	6/7	0.045	1.14	1.070	27.2	472	702	1763	799	15.0	381	80
	9030104	1/7	6/7	0.055	1.40	1.260	32.0	591	879	2203	999	17.6	448	92

Ampacity values based on CE Code Part I 2024, Table 4. Correction factors may apply. Dimensions and weights are nominal and subject to change without notice.

Manufactured, tested and certified in Canada, Electro-Power®AC90 armoured building wire is rated FT4-ST1 for -40°C to 90°C. Engineered specifically for demanding environments, superior flammability and smoke emission performance.

Specifications and Compliances

- CSA C22.2 No. 51, Armoured Cables (Type AC90)
- CSA C22.2 No. 38 Thermoset-insulated wires and cables (Type RW90)
- 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
- 40°C Cold Bend and -40°C Cold Impact
- Limited Smoke and Halogen Free

Conductor Stranded AA-8000 Series Aluminum Alloy (ACM)

Insulation Cross-linked Polyethylene (XLPE) CSA Type XL
90°C dry/wet 600V Halogen-Free

Bonding

Stranded AA-8000 Series Aluminum Alloy (ACM)

Armour

Aluminum (AIA) or Galvanized Steel (SIA)
Interlock Armour

Colour Code

Solid Black, White, Red & Blue or
Black with White Numbering

Applications

- For use in ventilated, non-ventilated and ladder-type cable trays.
- For dry locations, in ceiling air-handling plenums, exposed or concealed wiring and service entrance above ground.