



AC90

FLAME
RATINGLIMITED
SMOKEHALOGEN
FREELOW
TEMPHIGH
TEMPIMPACT
RESISTANTCABLE
TRAYEXPOSED
RUN

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

4C	Part No.	Power Conductor	Ground Conductor	Insulation Thickness		Armour O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius		Ampacity
		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.

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

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



SCAN or CLICK

