



SPC90 & ISO-SPC90 600V CSA FT4 – Lighting Power & Control-Signal

SPC90	Part No.	Power Cable			Control Cable		Armour O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius		Ampacity
		Count	Conductor AWG	Insulated AWG	Count	AWG	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm	A
	6XAAUS14-2C-16-2C	2	14	14	2	16	0.575	15.5	120	178	99	45	6.9	175	25
	6XAAUS12-2C-16-2C	2	12	14	2	16	0.615	16.0	140	209	157	71	8.6	218	30

ISO-SPC90	Part No.	Power Cable with Isolated Circuit				Control Cable		Armour O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius		Ampacity
		Count	Conductor AWG	Insulated AWG	Bare AWG	Count	AWG	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm	A
	6XAAUS14-2C-IS-16-2C	2	14	14	14	2	16	0.595	15.2	124	184	131	60	7.1	181	25
	6XAAUS12-2C-IS-16-2C	2	12	12	12	2	16	0.640	16.3	144	215	209	95	7.7	195	30
	6XAAUS10-2C-IS-16-2C	2	10	10	12	2	16	0.685	17.8	205	305	332	151	8.2	208	40

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.

Manufactured, tested and certified in Canada, Electro-Smart® SPC90 and ISO-SPC90 are the NEW all-in-one lighting Power & Control composite cable. Engineered to reduce installation costs while maximizing energy savings for today's LED and Fluorescent dimming remote control systems.

Specifications and Compliances

- CSA C22.2 No. 239, Control & Instrumentation Cables (Type ACIC-PCS)
- CSA C22.2 No. 38, Thermoset-insulated wires and cables (Type RW90)
- CSA C22.2 No. 2556 FT4, 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 Solid Soft Copper, ASTM B3

Insulation Cross-linked Polyethylene Insulation, CSA Type XLPE 90°C dry/wet 600V

Bonding

Electro-Smart® SPC90: Solid Soft Copper, ASTM B3, XLPE Insulated (Green)
Electro-Smart® ISO-SPC90: Specifically designed with an additional bare conductor for bonding to ground

Armour

Aluminum Interlock Armour (AIA)

Colour Code

Black, White, Violet and Pink

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.
- ISO-SPC90 is also recommended for single-phase isolated wiring systems, refer to CE Code Part I 2024 Rules 24-102 and 24-104.