



12 AWG CIC CONTROL CSA FT4-ST1 TC-ER

12 AWG	Part No.	Conductor Count	Insulation Thickness		Jacket Thickness		Cable O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius		Ampacity
			in	mm	in	mm	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm	
	6XNAOS12-2C-NHT	2/C	0.030	0.8	0.045	1.1	0.396	10.1	91	135	104	47	4.8	121	30
	6XNAOS12-3C-NHT	3/C	0.030	0.8	0.045	1.1	0.419	10.6	121	180	156	71	5.0	128	30
	6XNAOS12-4C-NHT	4/C	0.030	0.8	0.045	1.1	0.458	11.6	152	226	208	95	5.5	140	24
	6XNAOS12-5C-NHT	5/C	0.030	0.8	0.045	1.1	0.504	12.8	188	279	260	118	6.0	154	24
	6XNAOS12-6C-NHT	6/C	0.030	0.8	0.06	1.5	0.552	14.0	233	347	313	142	6.6	168	24
	6XNAOS12-7C-NHT	7/C	0.030	0.8	0.06	1.5	0.579	14.7	265	395	365	165	7.0	177	21
	6XNAOS12-8C-NHT	8/C	0.030	0.8	0.06	1.5	0.625	15.9	299	445	417	189	7.5	190	21
	6XNAOS12-9C-NHT	9/C	0.030	0.8	0.06	1.5	0.647	16.4	330	491	469	213	7.8	197	21
	6XNAOS12-10C-NHT	10/C	0.030	0.8	0.06	1.5	0.676	17.2	362	538	521	236	8.1	206	21
	6XNAOS12-11C-NHT	11/C	0.030	0.8	0.06	1.5	0.702	17.8	393	585	573	260	8.4	214	21
	6XNAOS12-12C-NHT	12/C	0.030	0.8	0.06	1.5	0.727	18.5	425	632	625	284	8.7	222	21
	6XNAOS12-15C-NHT	15/C	0.030	0.8	0.06	1.5	0.814	20.7	520	774	781	354	9.8	248	21
	6XNAOS12-20C-NHT	20/C	0.030	0.8	0.08	2.0	0.967	24.6	713	1061	1042	473	11.6	295	21
	6XNAOS12-25C-NHT	25/C	0.030	0.8	0.08	2.0	1.073	27.2	872	1297	1302	591	12.9	327	18
	6XNAOS12-30C-NHT	30/C	0.030	0.8	0.08	2.0	1.138	28.9	1026	1527	1563	709	13.7	347	18
	6XNAOS12-40C-NHT	40/C	0.030	0.8	0.08	2.0	1.273	32.3	1331	1980	2084	945	15.3	388	18
	6XNAOS12-50C-NHT	50/C	0.030	0.8	0.08	2.0	1.415	35.9	1637	2436	2605	1181	17.0	431	15

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. 239, Control and Instrumentation cables (Type CIC)
- 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

Shielding

Overall Aluminum Mylar Shield with Tinned Copper Drain Wire

Jacket

Thermoplastic Flame Retardant LSZH Compound

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).