



12 AWG CIC CSA FT4 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-P4E	2/C	0.030	0.8	0.045	1.1	0.4	10.15	92	137	104	47	3.6	91	30	
6XNAOS12-3C-P4E	3/C	0.030	0.8	0.045	1.1	0.422	10.726	121	181	156	71	3.8	96	30	
6XNAOS12-4C-P4E	4/C	0.030	0.8	0.045	1.1	0.462	11.724	152	227	208	94	4.2	106	24	
6XNAOS12-5C-P4E	5/C	0.030	0.8	0.045	1.1	0.507	12.889	188	279	260	118	4.6	116	24	
6XNAOS12-6C-P4E	6/C	0.030	0.8	0.06	1.5	0.556	14.112	233	347	313	142	5.0	127	24	
6XNAOS12-7C-P4E	7/C	0.030	0.8	0.06	1.5	0.583	14.803	265	394	365	166	5.2	133	21	
6XNAOS12-8C-P4E	8/C	0.030	0.8	0.06	1.5	0.628	15.955	298	444	417	189	5.7	144	21	
6XNAOS12-9C-P4E	9/C	0.030	0.8	0.06	1.5	0.651	16.531	329	490	469	213	5.9	149	21	
6XNAOS12-10C-P4E	10/C	0.030	0.8	0.06	1.5	0.68	17.261	360	536	521	236	6.1	155	21	
6XNAOS12-11C-P4E	11/C	0.030	0.8	0.06	1.5	0.705	17.914	392	583	573	260	6.3	161	21	
6XNAOS12-12C-P4E	12/C	0.030	0.8	0.06	1.5	0.731	18.567	423	629	625	283	6.6	167	21	
6XNAOS12-15C-P4E	15/C	0.030	0.8	0.06	1.5	0.817	20.756	517	770	781	354	7.4	187	21	
6XNAOS12-20C-P4E	20/C	0.030	0.8	0.08	2.0	0.971	24.652	709	1055	1042	473	8.7	222	21	
6XNAOS12-25C-P4E	25/C	0.030	0.8	0.08	2.0	1.076	27.341	866	1288	1302	591	9.7	246	18	
6XNAOS12-30C-P4E	30/C	0.030	0.8	0.08	2.0	1.138	28.915	1015	1510	1563	709	10.2	260	18	
6XNAOS12-40C-P4E	40/C	0.030	0.8	0.08	2.0	1.273	32.333	1315	1958	2084	945	11.5	291	18	
6XNAOS12-50C-P4E	50/C	0.030	0.8	0.08	2.0	1.415	35.943	1617	2407	2605	1182	12.7	323	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 (TC-ER)
- 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
- Sunlight Resistant, SUN RES. Low Acid Gas, AG14.

Conductor Stranded Soft Copper, ASTM B8

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

Shielding

Overall Aluminum Mylar Shield with Tinned Copper Drain Wire

Jacket

Low Acid Gas (LAG) Polyvinyl Chloride (PVC)

Colour Code

Black, White, Red and Blue or
Black with White printed number

Applications

- For use in raceways, ventilated, non-ventilated and ladder-type cable trays.
- For dry, damp or wet locations, in ceiling air-handling plenums and direct burial.
- 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).

CUSTOM ORDER OPTIONS

