



12 AWG RW90 CIC CSA FT4 TC

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-PV4	2/C	0.030	0.8	0.045	1.1	0.400	10.2	92	137	104	47	3.6	91	30
	6XNAOS12-3C-PV4	3/C	0.030	0.8	0.045	1.1	0.422	10.7	121	181	156	71	3.8	96	30
	6XNAOS12-4C-PV4	4/C	0.030	0.8	0.045	1.1	0.462	11.7	152	227	208	94	4.2	106	24
	6XNAOS12-5C-PV4	5/C	0.030	0.8	0.045	1.1	0.507	12.9	188	279	260	118	4.6	116	24
	6XNAOS12-6C-PV4	6/C	0.030	0.8	0.060	1.5	0.556	14.1	233	347	313	142	5.0	127	24
	6XNAOS12-7C-PV4	7/C	0.030	0.8	0.060	1.5	0.583	14.8	265	394	365	166	5.2	133	21
	6XNAOS12-8C-PV4	8/C	0.030	0.8	0.060	1.5	0.628	16.0	298	444	417	189	5.7	144	21
	6XNAOS12-9C-PV4	9/C	0.030	0.8	0.060	1.5	0.651	16.5	329	490	469	213	5.9	149	21
	6XNAOS12-10C-PV4	10/C	0.030	0.8	0.060	1.5	0.680	17.3	360	536	521	236	6.1	155	21
	6XNAOS12-11C-PV4	11/C	0.030	0.8	0.060	1.5	0.705	17.9	392	583	573	260	6.3	161	21
	6XNAOS12-12C-PV4	12/C	0.030	0.8	0.060	1.5	0.731	18.6	423	629	625	283	6.6	167	21
	6XNAOS12-15C-PV4	15/C	0.030	0.8	0.060	1.5	0.817	20.8	517	770	781	354	7.4	187	21
	6XNAOS12-20C-PV4	20/C	0.030	0.8	0.080	2.0	0.971	24.7	709	1055	1042	473	8.7	222	21
	6XNAOS12-25C-PV4	25/C	0.030	0.8	0.080	2.0	1.076	27.3	866	1288	1302	591	9.7	246	18
	6XNAOS12-30C-PV4	30/C	0.030	0.8	0.080	2.0	1.138	28.9	1015	1510	1563	709	10.2	260	18
	6XNAOS12-40C-PV4	40/C	0.030	0.8	0.080	2.0	1.273	32.3	1315	1958	2084	945	11.5	291	18
	6XNAOS12-50C-PV4	50/C	0.030	0.8	0.080	2.0	1.415	35.9	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 (Standard TC rated. TC-ER Optional)
- 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 wet, 105°C dry 600V

Shielding

Overall Aluminum Mylar Shield with Tinned Copper Drain Wire

Jacket

Low Acid Gas (LAG) Polyvinyl Chloride (PVC)

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 and direct burial.
- For use in Hazardous locations: Zone 0 (intrinsically safe cables only), Zone 2, Zone 22 (per Section 18).