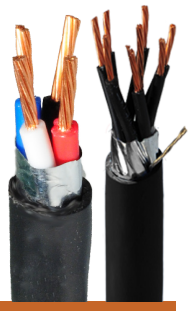
CIC

Copper 600V

# ElectroControl®



CIC | FLAME RATING | LOW TEMP | HIGH TEMP | UV RESISTANT | WET LOCATION | CHEMICAL RESISTANT | OIL RESISTANT | IMPACT RESISTANT | EXPOSED RUN | DIRECT BURIAL | TRAY CABLE (TC) | HAZARDOUS LOCATION

## 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 | A |
| 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 2021, 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, IEEE 1202/UL 1685 Vertical-Tray Flame Test
- -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 Insulation (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 wet and dry locations.
- For use in raceways, including cable trays, Ventilated, non-ventilated, ladder tray and direct burial.
- To be used for exposed and concealed wiring or where subjected to the weather.
- For Hazardous Locations Class I-Zone 0 Intrinsically safe Div. 2, Class II-Zone 2 Div. 2 and Class III-Div. 2.
- Cables marked TC-ER tray cable are permitted to transition between cable trays, and utilization equipment or devices as per CE Code Part I 12-2202 2) and 3).

RoHS COMPLIANT | REACH COMPLIANCE | Certified System Quality ISO 9001

156-R1 Made In Canada

CUSTOM ORDER OPTIONS

FT4 ST1 FLAME RATING | LIMITED SMOKE | HALOGEN FREE | TC ER TRAY CABLE

Electro cables