



18 AWG INSTRUMENTATION 600V CSA FT4 TC-ER

| Pairs | Part No. | Number of Pairs | Insulation Thickness | | Jacket Thickness | | Cable O.D. | | Cable Weight | | Max Pulling Tension | | Min Bend Radius | |
|-------|---------------------|-----------------|----------------------|-----|------------------|-----|------------|------|--------------|-------|---------------------|-----|-----------------|-----|
| | | | in | mm | in | mm | in | mm | lbs/Mft | kg/km | lbs | kg | in | mm |
| | 6XNAOS18-1PR-P4E | 1 | 0.030 | 0.8 | 0.045 | 1.1 | 0.304 | 7.7 | 45 | 68 | 26 | 12 | 3.6 | 93 |
| | 6XNAISOS18-2PR-P4E | 2 | 0.030 | 0.8 | 0.060 | 1.5 | 0.558 | 14.2 | 111 | 165 | 52 | 23 | 6.7 | 170 |
| | 6XNAISOS18-3PR-P4E | 3 | 0.030 | 0.8 | 0.060 | 1.5 | 0.590 | 15.0 | 138 | 205 | 78 | 35 | 7.1 | 180 |
| | 6XNAISOS18-4PR-P4E | 4 | 0.030 | 0.8 | 0.060 | 1.5 | 0.645 | 16.4 | 167 | 249 | 104 | 47 | 7.7 | 197 |
| | 6XNAISOS18-6PR-P4E | 6 | 0.030 | 0.8 | 0.060 | 1.5 | 0.733 | 18.6 | 223 | 332 | 155 | 70 | 8.8 | 223 |
| | 6XNAISOS18-8PR-P4E | 8 | 0.030 | 0.8 | 0.080 | 2.0 | 0.876 | 22.3 | 315 | 469 | 207 | 94 | 10.5 | 267 |
| | 6XNAISOS18-12PR-P4E | 12 | 0.030 | 0.8 | 0.080 | 2.0 | 1.022 | 26.0 | 429 | 638 | 311 | 141 | 12.3 | 312 |

| Triads | Part No. | Number of Triads | Insulation Thickness | | Jacket Thickness | | Cable O.D. | | Cable Weight | | Max Pulling Tension | | Min Bend Radius | |
|--------|--------------------|------------------|----------------------|-----|------------------|-----|------------|------|--------------|-------|---------------------|-----|-----------------|-----|
| | | | in | mm | in | mm | in | mm | lbs/Mft | kg/km | lbs | kg | in | mm |
| | 6XNAOS18-1TR-P4E | 1 | 0.030 | 0.8 | 0.045 | 1.1 | 0.320 | 8.1 | 56 | 83 | 39 | 18 | 3.8 | 98 |
| | 6XNAISOS18-2TR-P4E | 2 | 0.030 | 0.8 | 0.060 | 1.5 | 0.589 | 15.0 | 135 | 200 | 78 | 35 | 7.1 | 180 |
| | 6XNAISOS18-4TR-P4E | 4 | 0.030 | 0.8 | 0.060 | 1.5 | 0.750 | 19.1 | 219 | 326 | 155 | 70 | 9.0 | 229 |
| | 6XNAISOS18-6TR-P4E | 6 | 0.030 | 0.8 | 0.080 | 2.0 | 0.928 | 23.6 | 336 | 500 | 233 | 106 | 11.1 | 283 |
| | 6XNAISOS18-8TR-P4E | 8 | 0.030 | 0.8 | 0.080 | 2.0 | 1.046 | 26.6 | 419 | 624 | 311 | 141 | 12.6 | 319 |

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, 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 tinned soft copper, ASTM B8, B33

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

Shielding

Individual and Overall Aluminum Mylar Shield with Tinned Copper Drain Wires

Jacket

Low Acid Gas (LAG) Polyvinyl Chloride (PVC)

Colour Code

Black and White Pairs or
Black, White and Red Triads

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).

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