



16 AWG ACIC INSTRUMENTATION 300V CSA FT4-ST1 LSZH

| Pairs | Part No. | Number of Pairs | Inner Jacket O.D. | | Armour O.D. | | 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 |
| | 3XAAOS16-1PR-NH | 1 | 0.178 | 4.5 | 0.268 | 6.8 | 0.566 | 14.4 | 132 | 197 | 41 | 19 | 7.9 | 201 |
| | 3XAAISOS16-2PR-NH | 2 | 0.360 | 9.1 | 0.450 | 11.4 | 0.748 | 19.0 | 218 | 324 | 83 | 37 | 10.5 | 266 |
| | 3XAAISOS16-4PR-NH | 4 | 0.435 | 11.1 | 0.555 | 14.1 | 0.853 | 21.7 | 313 | 465 | 165 | 75 | 11.9 | 303 |
| | 3XAAISOS16-6PR-NH | 6 | 0.508 | 12.9 | 0.628 | 16.0 | 0.926 | 23.5 | 385 | 573 | 248 | 112 | 13.0 | 329 |
| | 3XAAISOS16-8PR-NH | 8 | 0.594 | 15.1 | 0.714 | 18.1 | 1.044 | 26.5 | 465 | 692 | 330 | 150 | 14.6 | 371 |
| | 3XAAISOS16-12PR-NH | 12 | 0.715 | 18.2 | 0.875 | 22.2 | 1.205 | 30.6 | 644 | 958 | 495 | 225 | 16.9 | 428 |

| Triads | Part No. | Number of Triads | Inner Jacket O.D. | | Armour O.D. | | 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 |
| | 3XAAOS16-1TR-NH | 1 | 0.191 | 4.9 | 0.281 | 7.1 | 0.579 | 14.7 | 146 | 217 | 62 | 28 | 8.1 | 206 |
| | 3XAAISOS16-2TR-NH | 2 | 0.388 | 9.9 | 0.478 | 12.1 | 0.776 | 19.7 | 248 | 369 | 124 | 56 | 10.9 | 276 |
| | 3XAAISOS16-4TR-NH | 4 | 0.522 | 13.3 | 0.642 | 16.3 | 0.940 | 23.9 | 383 | 570 | 248 | 112 | 13.2 | 334 |
| | 3XAAISOS16-6TR-NH | 6 | 0.637 | 16.2 | 0.757 | 19.2 | 1.087 | 27.6 | 494 | 734 | 372 | 169 | 15.2 | 387 |
| | 3XAAISOS16-8TR-NH | 8 | 0.735 | 18.7 | 0.895 | 22.7 | 1.225 | 31.1 | 638 | 950 | 495 | 225 | 17.1 | 435 |

Dimensions and weights are nominal and subject to change without notice.

Specifications and Compliances

- CSA C22.2 No. 239, Control and instrumentation cables (Type ACIC)
- CSA C22.2 No. 38, Thermoset-insulated wires and cables (Type RW90)
- CSA C22.2 No. 174, Cables and cable glands for use in Hazardous Locations (HL) (HL-ABCD)
- 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 and NFPA 502, Smoke and Flame requirements.
- -40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant, Direct Burial, Low Acid Gas (AG14), Halogen-Free

Shielding

Individual and Overall Shield with Tinned Copper Drain Wires

Armour

Aluminum (AIA) or Galvanized Steel (SIA) Interlock Armour

Jacket

Thermoplastic Low Smoke Zero Halogen Inner and Outer Jackets

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.
- Approved for all Hazardous Locations (HL) as per CE Code Part 2024 Section 18, when installed with approved connectors.

Conductor

Stranded Tinned Soft Copper, ASTM B8, B33

Insulation

Cross-linked Polyethylene (XLPE)
CSA Type XL 105°C dry, 90°C wet 300V

