



ACIC



FLAME
RATING



LIMITED
SMOKE



HALOGEN
FREE



LOW
TEMP



HIGH
TEMP



UV
RESISTANT



WET
LOCATION



CHEMICAL
RESISTANT



OIL
RESISTANT



IMPACT
RESISTANT



EXPOSED
RUN



DIRECT
BURIAL



HAZARDOUS
LOCATION



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)
- 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
- NFPA 130 Smoke and Flame requirements
- 40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant, Direct Burial, Low Acid Gas (AG14), Halogen-Free

Conductor Stranded tinned soft copper, ASTM B8, B33

Insulation Cross-linked Polyethylene (XLPE)
CSA Type XL 90°C dry/wet 300V,
Halogen-Free

Shielding

Individual and Overall Aluminum Mylar Shield with Tinned Copper Drain Wires

Armour

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

Jacket

Thermoplastic Flame Retardant LSZH Compound 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.

