



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 600V 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
	6XAAOS16-1PR-NH	1	0.238	6.1	0.328	8.3	0.626	15.9	156	232	41	19	8.8	223
	6XAAISOS16-2PR-NH	2	0.482	12.2	0.602	15.3	0.900	22.9	291	433	83	37	12.6	320
	6XAAISOS16-4PR-NH	4	0.580	14.7	0.700	17.8	1.030	26.2	385	573	165	75	14.4	366
	6XAAISOS16-6PR-NH	6	0.677	17.2	0.797	20.3	1.127	28.6	475	707	248	112	15.8	401
	6XAAISOS16-8PR-NH	8	0.792	20.1	0.952	24.2	1.302	33.1	679	1011	330	150	18.2	463
	6XAAISOS16-12PR-NH	12	0.954	24.2	1.114	28.3	1.519	38.6	869	1293	495	225	21.3	540

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
	6XAAOS16-1TR-NH	1	0.256	6.5	0.346	8.8	0.644	16.4	173	258	62	28	9.0	229
	6XAAISOS16-2TR-NH	2	0.517	13.1	0.637	16.2	0.935	23.8	329	489	124	56	13.1	333
	6XAAISOS16-4TR-NH	4	0.696	17.7	0.816	20.7	1.146	29.1	475	707	248	112	16.0	408
	6XAAISOS16-6TR-NH	6	0.850	21.6	1.010	25.7	1.360	34.5	723	1077	372	169	19.0	484
	6XAAISOS16-8TR-NH	8	0.984	25.0	1.144	29.1	1.549	39.3	871	1297	495	225	21.7	551

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 600V,
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.

