



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



18 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
	6XAAOS18-1PR-NH	1	0.214	5.4	0.304	7.7	0.602	15.3	141	210	26	12	8.4	214
	6XAAISOS18-2PR-NH	2	0.434	11.0	0.554	14.1	0.852	21.6	260	387	52	23	11.9	303
	6XAAISOS18-4PR-NH	4	0.522	13.3	0.642	16.3	0.940	23.9	332	494	104	47	13.2	334
	6XAAISOS18-6PR-NH	6	0.610	15.5	0.730	18.5	1.060	26.9	407	606	155	70	14.8	377
	6XAAISOS18-8PR-NH	8	0.712	18.1	0.872	22.2	1.202	30.5	528	785	207	94	16.8	428
	6XAAISOS18-12PR-NH	12	0.858	21.8	1.018	25.9	1.368	34.8	733	1090	311	141	19.2	487

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
	6XAAOS18-1TR-NH	1	0.230	5.8	0.320	8.1	0.618	15.7	154	230	39	18	8.7	220
	6XAAISOS18-2TR-NH	2	0.466	11.8	0.586	14.9	0.884	22.4	289	430	78	35	12.4	314
	6XAAISOS18-4TR-NH	4	0.627	15.9	0.747	19.0	1.077	27.3	407	605	155	70	15.1	383
	6XAAISOS18-6TR-NH	6	0.765	19.4	0.925	23.5	1.255	31.9	559	831	233	106	17.6	446
	6XAAISOS18-8TR-NH	8	0.882	22.4	1.042	26.5	1.392	35.4	730	1087	311	141	19.5	495

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.

