



18 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
	3XAAOS18-1PR-NH	1	0.154	3.9	0.244	6.2	0.542	13.8	118	175	26	12	7.6	193
	3XAAISOS18-2PR-NH	2	0.312	7.9	0.402	10.2	0.700	17.8	189	281	52	23	9.8	249
	3XAAISOS18-4PR-NH	4	0.375	9.5	0.465	11.8	0.763	19.4	243	361	104	47	10.7	271
	3XAAISOS18-6PR-NH	6	0.440	11.2	0.560	14.2	0.858	21.8	320	477	155	70	12.0	305
	3XAAISOS18-8PR-NH	8	0.514	13.1	0.634	16.1	0.932	23.7	380	565	207	94	13.1	332
	3XAAISOS18-12PR-NH	12	0.619	15.7	0.739	18.8	1.069	27.2	486	723	311	141	15.0	380

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
	3XAAOS18-1TR-NH	1	0.166	4.2	0.256	6.5	0.554	14.1	128	190	39	18	7.7	197
	3XAAISOS18-2TR-NH	2	0.335	8.5	0.425	10.8	0.723	18.4	210	312	78	35	10.1	257
	3XAAISOS18-4TR-NH	4	0.453	11.5	0.573	14.5	0.871	22.1	318	473	155	70	12.2	310
	3XAAISOS18-6TR-NH	6	0.552	14.0	0.672	17.1	1.002	25.4	403	599	233	106	14.0	356
	3XAAISOS18-8TR-NH	8	0.636	16.2	0.756	19.2	1.086	27.6	478	712	311	141	15.2	386

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-ABCD)
- 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 105°C dry, 90°C 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-ABCD) as per CE Code Part 2024 Section 18, when installed with approved connectors.