



18 AWG ACIC 300V CSA FT4

Pairs	Part No.	Number of Pairs	Insulation Thickness		Inner Jacket O.D.		Armour O.D.		Cable O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius	
			in	mm	in	mm	in	mm	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm
	3XAAOS18-1PR	1	0.015	0.38	0.154	3.9	0.244	6.2	0.542	13.8	115	171	26	12	7.6	193
	3XAAISOS18-2PR	2	0.015	0.38	0.312	7.9	0.402	10.2	0.700	17.8	184	274	52	23	9.8	249
	3XAAISOS18-4PR	4	0.015	0.38	0.375	9.5	0.465	11.8	0.763	19.4	237	353	104	47	10.7	271
	3XAAISOS18-6PR	6	0.015	0.38	0.440	11.2	0.560	14.2	0.858	21.8	314	467	155	70	12.0	305
	3XAAISOS18-8PR	8	0.015	0.38	0.514	13.1	0.634	16.1	0.932	23.7	372	554	207	94	13.1	332
	3XAAISOS18-12PR	12	0.015	0.38	0.619	15.7	0.739	18.8	1.069	27.2	477	710	311	141	15.0	380

Triads	Part No.	Number of Triads	Insulation Thickness		Inner Jacket O.D.		Armour O.D.		Cable O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius	
			in	mm	in	mm	in	mm	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm
	3XAAOS18-1TR	1	0.015	0.38	0.166	4.2	0.256	6.5	0.554	14.1	125	185	39	18	7.7	197
	3XAAISOS18-2TR	2	0.015	0.38	0.335	8.5	0.425	10.8	0.723	18.4	205	305	78	35	10.1	257
	3XAAISOS18-4TR	4	0.015	0.38	0.453	11.5	0.573	14.5	0.871	22.1	311	463	155	70	12.2	310
	3XAAISOS18-6TR	6	0.015	0.38	0.552	14.0	0.672	17.1	1.002	25.4	395	587	233	106	14.0	356
	3XAAISOS18-8TR	8	0.015	0.38	0.636	16.2	0.756	19.2	1.086	27.6	470	699	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
- -40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant, SUN RES and Low Acid Gas, AG14

Conductor Stranded Tinned Soft Copper, ASTM B8, B33

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

Option: Polyvinyl Chloride (PVC) insulation

Shielding Individual and Overall Aluminum Mylar Shield with Tinned Copper Drain Wires

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

Jacket Low Acid Gas Polyvinyl Chloride Inner and Outer Jackets (PVC)

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 I 2024 Section 18, when installed with approved connectors.

CUSTOM ORDER OPTIONS



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