



Tinned Copper
FT4-ST1 300V

ElectroSignal®



18 AWG CIC INSTRUMENTATION 300V CSA FT4-ST1 TC-ER

Pairs	Part No.	Number of Pairs	Insulation Thickness		Jacket Thickness		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
	3XNAOS18-1PR-NHT	1	0.015	0.4	0.045	1.1	0.244	6.2	35	52	26	12	2.9	74
	3XNAISOS18-2PR-NHT	2	0.015	0.4	0.045	1.1	0.402	10.2	70	104	52	23	4.8	123
	3XNAISOS18-3PR-NHT	3	0.015	0.4	0.045	1.1	0.425	10.8	90	134	78	35	5.1	130
	3XNAISOS18-4PR-NHT	4	0.015	0.4	0.045	1.1	0.465	11.8	111	165	104	47	5.6	142
	3XNAISOS18-6PR-NHT	6	0.015	0.4	0.060	1.5	0.560	14.2	168	250	155	70	6.7	171
	3XNAISOS18-8PR-NHT	8	0.015	0.4	0.060	1.5	0.634	16.1	212	315	207	94	7.6	193
	3XNAISOS18-12PR-NHT	12	0.015	0.4	0.060	1.5	0.739	18.8	293	436	311	141	8.9	225

Triads	Part No.	Number of Triads	Insulation Thickness		Jacket Thickness		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
	3XNAOS18-1TR-NHT	1	0.015	0.4	0.045	1.1	0.256	6.5	43	63	39	18	3.1	78
	3XNAISOS18-2TR-NHT	2	0.015	0.4	0.045	1.1	0.425	10.8	87	129	78	35	5.1	129
	3XNAISOS18-4TR-NHT	4	0.015	0.4	0.060	1.5	0.573	14.5	163	243	155	70	6.9	175
	3XNAISOS18-6TR-NHT	6	0.015	0.4	0.060	1.5	0.672	17.1	223	332	233	106	8.1	205
	3XNAISOS18-8TR-NHT	8	0.015	0.4	0.060	1.5	0.756	19.2	282	420	311	141	9.1	231

Dimensions and weights are nominal and subject to change without notice.

Specifications and Compliances

- CSA C22.2 No. 239, Control and instrumentation cables (Type CIC)
- CSA C22.2 No. 38, Thermoset-insulated wires and cables (Type RW90)
- CSA C22.2 No. 230, Tray Cables Exposed Run (Type TC-ER)
- 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

Jacket

Thermoplastic Flame Retardant LSZH Compound

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.
- For use in Hazardous locations: Zone 0 (intrinsically safe cables only), Zone 2, Zone 22 (per Section 18).
- Cables marked TC-ER tray cable are permitted for exposed runs as per CE Code Part I 12-2202 3) and 4).



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