



## 18 AWG INSTRUMENTATION 300V CSA FT4 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-P4E	1	0.015	0.4	0.045	1.1	0.244	6.2	35	52	26	12	2.9	74
	3XNAISOS18-2PR-P4E	2	0.015	0.4	0.045	1.1	0.406	10.3	72	107	52	23	4.9	124
	3XNAISOS18-3PR-P4E	3	0.015	0.4	0.045	1.1	0.429	10.9	92	137	78	35	5.1	131
	3XNAISOS18-4PR-P4E	4	0.015	0.4	0.045	1.1	0.469	11.9	113	168	104	47	5.6	143
	3XNAISOS18-6PR-P4E	6	0.015	0.4	0.060	1.5	0.564	14.3	171	254	155	70	6.8	172
	3XNAISOS18-8PR-P4E	8	0.015	0.4	0.060	1.5	0.638	16.2	215	320	207	94	7.7	194
	3XNAISOS18-12PR-P4E	12	0.015	0.4	0.060	1.5	0.743	18.9	297	442	311	141	8.9	226

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-P4E	1	0.015	0.4	0.045	1.1	0.256	6.5	43	64	39	18	3.1	78
	3XNAISOS18-2TR-P4E	2	0.015	0.4	0.045	1.1	0.428	10.9	89	132	78	35	5.1	130
	3XNAISOS18-4TR-P4E	4	0.015	0.4	0.060	1.5	0.576	14.6	166	247	155	70	6.9	176
	3XNAISOS18-6TR-P4E	6	0.015	0.4	0.060	1.5	0.675	17.2	227	338	233	106	8.1	206
	3XNAISOS18-8TR-P4E	8	0.015	0.4	0.060	1.5	0.760	19.3	286	425	311	141	9.1	232

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 (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
- -40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant, SUN RES. Low Acid Gas, AG14.

**Conductor** Stranded Soft Copper, ASTM B8

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

### Shielding

Individual and Overall Aluminum Mylar Shield with Tinned Copper Drain Wires

### Jacket

Low Acid Gas (LAG) Polyvinyl Chloride (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 and direct burial.
- 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).

### CUSTOM ORDER OPTIONS



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