



Tinned Copper
300V

ElectroSignal®



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	2.2	56
	3XNAISOS18-2PR-P4E	2	0.015	0.4	0.045	1.1	0.406	10.3	72	107	52	23	3.7	93
	3XNAISOS18-3PR-P4E	3	0.015	0.4	0.045	1.1	0.429	10.9	92	137	78	35	3.9	98
	3XNAISOS18-4PR-P4E	4	0.015	0.4	0.045	1.1	0.469	11.9	113	168	104	47	4.2	107
	3XNAISOS18-6PR-P4E	6	0.015	0.4	0.060	1.5	0.564	14.3	171	254	155	70	5.1	129
	3XNAISOS18-8PR-P4E	8	0.015	0.4	0.060	1.5	0.638	16.2	215	320	207	94	5.7	146
	3XNAISOS18-12PR-P4E	12	0.015	0.4	0.060	1.5	0.743	18.9	297	442	311	141	6.7	170

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	2.3	58
	3XNAISOS18-2TR-P4E	2	0.015	0.4	0.045	1.1	0.428	10.9	89	132	78	35	3.9	98
	3XNAISOS18-4TR-P4E	4	0.015	0.4	0.060	1.5	0.576	14.6	166	247	155	70	5.2	132
	3XNAISOS18-6TR-P4E	6	0.015	0.4	0.060	1.5	0.675	17.2	227	338	233	106	6.1	154
	3XNAISOS18-8TR-P4E	8	0.015	0.4	0.060	1.5	0.760	19.3	286	425	311	141	6.8	174

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 Extended Run
- CSA C22.2 No. 2556 FT4, IEEE 1202/UL 1685 Vertical-Tray Flame Test
- -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 Insulation (XLPE)
 CSA Type XL 90°C dry/wet 300V
Shielding Individual and Overall 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 wet and dry locations.
- For use in raceways, including cable trays, Ventilated, non-ventilated, ladder tray and direct burial.
- To be used for exposed and concealed wiring or where subjected to the weather.
- For Hazardous Locations Class I-Zone 0 Intrinsically safe Div. 2, Class II-Zone 2 Div. 2 and Class III-Div. 2.
- Cables marked TC-ER tray cable are permitted to transition between cable trays, and utilization equipment or devices as per CE Code Part I 12-2202 2) and 3).

