



Tinned Copper  
600V

# ElectroSignal®



## 18 AWG INSTRUMENTATION 600V CSA FT4 TC

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
	6XNAOS18-1PR-PV4	1	0.030	0.8	0.045	1.1	0.304	7.7	45	68	26	12	2.7	70
	6XNAISOS18-2PR-PV4	2	0.030	0.8	0.060	1.5	0.558	14.2	111	165	52	23	5.0	127
	6XNAISOS18-3PR-PV4	3	0.030	0.8	0.060	1.5	0.590	15.0	138	205	78	35	5.3	135
	6XNAISOS18-4PR-PV4	4	0.030	0.8	0.060	1.5	0.645	16.4	167	249	104	47	5.8	148
	6XNAISOS18-6PR-PV4	6	0.030	0.8	0.060	1.5	0.733	18.6	223	332	155	70	6.6	168
	6XNAISOS18-8PR-PV4	8	0.030	0.8	0.080	2.0	0.876	22.3	315	469	207	94	7.9	200
	6XNAISOS18-12PR-PV4	12	0.030	0.8	0.080	2.0	1.022	26.0	429	638	311	141	9.2	234

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
	6XNAOS18-1TR-PV4	1	0.030	0.8	0.045	1.1	0.320	8.1	56	83	39	18	2.9	73
	6XNAISOS18-2TR-PV4	2	0.030	0.8	0.060	1.5	0.589	15.0	135	200	78	35	5.3	135
	6XNAISOS18-4TR-PV4	4	0.030	0.8	0.060	1.5	0.750	19.1	219	326	155	70	6.8	172
	6XNAISOS18-6TR-PV4	6	0.030	0.8	0.080	2.0	0.928	23.6	336	500	233	106	8.4	212
	6XNAISOS18-8TR-PV4	8	0.030	0.8	0.080	2.0	1.046	26.6	419	624	311	141	9.4	239

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 (Standard TC rated. TC-ER Optional)
- 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 600V  
**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).

