



Tinned Copper  
600V

# ElectroSignal®



## 16 AWG CIC INSTRUMENTATION 600V 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
	6XNAOS16-1PR-P4E	1	0.030	0.8	0.045	1.1	0.328	8.3	55	82	26	12	3.0	75
	6XNAISOS16-2PR-P4E	2	0.030	0.8	0.060	1.5	0.606	15.4	132	196	52	23	5.5	138
	6XNAISOS16-3PR-P4E	3	0.030	0.8	0.060	1.5	0.641	16.3	167	249	78	35	5.8	147
	6XNAISOS16-4PR-P4E	4	0.030	0.8	0.060	1.5	0.703	17.9	205	305	104	47	6.3	161
	6XNAISOS16-6PR-P4E	6	0.030	0.8	0.060	1.5	0.801	20.3	277	413	155	70	7.2	183
	6XNAISOS16-8PR-P4E	8	0.030	0.8	0.080	2.0	0.955	24.3	389	579	207	94	8.6	218
	6XNAISOS16-12PR-P4E	12	0.030	0.8	0.080	2.0	1.117	28.4	536	797	311	141	10.1	255

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
	6XNAOS16-1TR-P4E	1	0.030	0.8	0.045	1.1	0.346	8.8	70	103	39	18	3.1	79
	6XNAISOS16-2TR-P4E	2	0.030	0.8	0.060	1.5	0.641	16.3	164	244	78	35	5.8	147
	6XNAISOS16-4TR-P4E	4	0.030	0.8	0.060	1.5	0.820	20.8	273	406	155	70	7.4	187
	6XNAISOS16-6TR-P4E	6	0.030	0.8	0.080	2.0	1.013	25.7	419	623	233	106	9.1	232
	6XNAISOS16-8TR-P4E	8	0.030	0.8	0.080	2.0	1.144	29.1	527	784	311	141	10.3	262

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 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).

