

New 50 and 75 Ohm Low Noise High Performance Cables

- *Stable low noise performance*
- *Reduced mechanically induced electrical noise*
- *Stranded center conductor for flexibility*
- *Semi-conductive layering technology*
- *Ruggedized polyurethane or PVC jacket*
- *80° C rated*

T-LNC-300-50-PUR

T-LNC-240-75-PVC

Vibration monitoring and wear detection for:

- *Aerospace*
- *Oil & Gas*
- *Transportation*
- *Public Utility*
- *Machinery*
- *Non-Destructive Testing*

Applications:

- *Accelerometers*
- *Strain gages*
- *Transducers*
- *Low voltage signaling in high vibration environments*



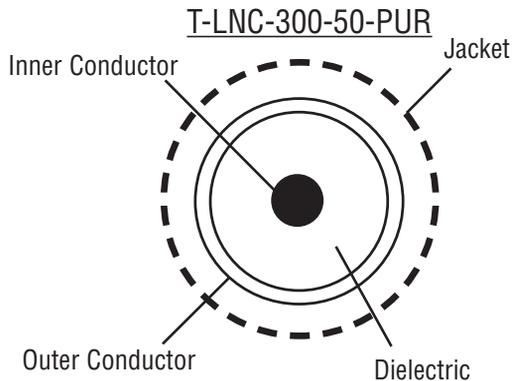
T-LNC™ 50 and 75 Ohm low noise coaxial cables employ a combination of semi-conducting and insulating dielectric layers to achieve optimum low noise performance. T-LNC™ cables are the perfect cable solutions for noise-sensitive applications such as vibration and wear monitoring and detection as well as low voltage signaling in high vibration environments.

The optimized polymeric layers and metallic braid shielding help dissipate static electric charge and reduce mechanically-generated electrical noise.

Features:

- Exceptional Low Noise Performance
- Flexible
- Ruggedized
- Easy handling
- 1 year Warranty

Physical Specifications	T-LNC-300-50-PUR (AA2803)	T-LNC-240-75-PVC(AA2992)
Center Conductor	18 AWG Stranded Tinned Copper	24 AWG Stranded Tinned Copper
Dielectric	Semicond & Natural Polyethylene	Semicond & Natural Polyethylene
Shield	Tinned Copper Braid	Bare Copper Braid
Jacket Material	Black Polyurethane	Black Non-contaminating PVC
Overall Diameter: in (mm)	0.300 (7.62)	0.242 (6.15)
Bend Radius: in (mm)	3.00 (76.2)	2.00 (50.8)
Weight: lbs/1000 ft (kg/km)	45.0 (69.0)	32.0 (47.0)
Environmental Specifications		
Operating Temperature Range: °F (°C)	-40 to +176 (-40 to + 80)	-40 to +176 (-40 to + 80)
Electrical Specifications		
Velocity of Propagation: %	63	66
Impedance: Ohms	50	75
Capacitance: pF/ft (pF/m)	30 (98.4)	21 (68.9)
Center Conductor:DC Resistance: Ohms/1000 ft (km)	7 (23.0)	26 (85.3)
Shield: DC Resistance: Ohms/1000 ft (km)	10 (32.8)	3.2 (10.5)
Operating Voltage: (kV-RMS max.)	2.5	2.5
Dielectric Strength: (kV-RMS min.)	1.5	5.0
Insulation Resistance: (Megohms/1000 ft (km)), (min.)	100,000 (330,000)	94,000 (308,000)
Low Noise: (millivolts max.)	0.5	0.5



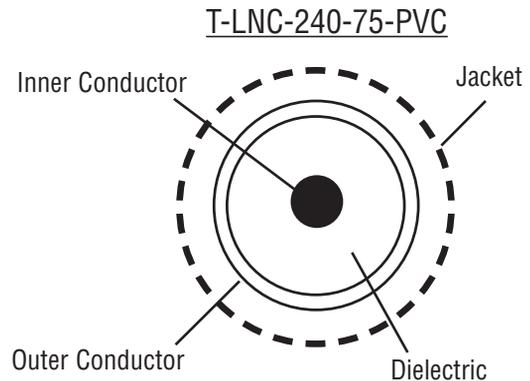
Cable Construction

Inner Conductor: Stranded Tinned Copper

Dielectric: Semi Cond and Natural Polyethylene

Outer Conductor: Tinned Copper Braid

Jacket: Polyurethane, Black



Cable Construction

Inner Conductor: Stranded Tinned Copper

Dielectric: Semi Cond and Natural Polyethylene

Outer Conductor: Bare Copper Braid

Jacket: Non Contaminating PVC, Black



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