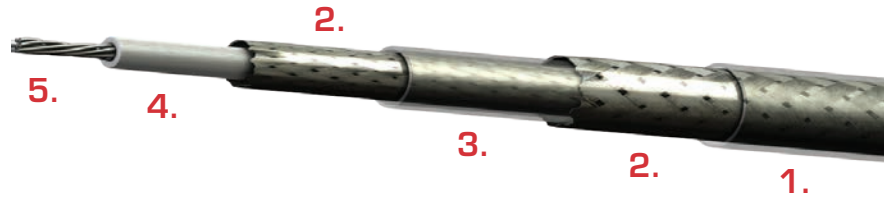


## CABLE CONSTRUCTION

1. FEP Outer Jacket (Clear)
2. Tinned Copper Braid Shields
3. FEP Inner Jacket (Clear)
4. FEP Dielectric
5. Tinned Copper Conductor



L2201TX is a 50-ohm coaxial cable with an additional outer copper braid shield insulated from the signal carrying conductors. Grounding the other shield reduces noise pick-up, improving the signal-to-noise ratio. For maximum shielding efficiency triaxial connectors should be used where the isolation of the two shields is maintained through the connectors.

This cable is recommended for radar or other systems that are susceptible to RFI and noise generating devices. Honeywell has approved this cable for the Epic/Apex system.

PIC connectors for PIC cables S44191 and S44193 can be used to terminate the “inner coax” of L2201TX.

It is Skydrol resistant, RoHS compliant and meets the FAA flammability requirements of FAR Part 23 and 25, Appendix F; complies with MIL-C-17.

## CONNECTOR DATA

### 110438 BNC Type 3 Lug Triax Connector

## PHYSICAL DATA

- Conductor 20 AWG Stranded SPC
- Operating Temperature -55° to +150°C
- Outer Diameter: in (mm) 0.25 (6.22)
- Minimum Bend Radius: in (mm) 1.25 (31.75)
- Weight: lbs/100 ft (kg/100 m) 6.0 (8.9)

## ELECTRICAL DATA

- Impedance: ohms 50
- Capacitance: pF/ft (m) 29.0 (95.1)
- Velocity of Propagation: % 70.0
- Time Delay: ns/ft (m) 1.45 (4.76)
- RF Shielding Effectiveness: dB/min -75
- DC Resistance: ohms/1000 ft (m) 9.7 (31.8)
- Attenuation: Nom / Max dB/100 ft (dB/100 m)
  - @400 MHz 10.6 / 11.7 34.8 / 38.4
  - @1.0 GHz 20.4 / 22.4 66.9 / 73.5
  - @1.6 GHz 29.1 / 32.0 95.5 / 105.0
  - @5.0 GHz 72.7 / 80.0 238.5 / 266.5
- K Values (nom loss): K1 = 0.335, K2 = 0.0098
- Formula for Attenuation:  $(K1 * \sqrt{F(MHz)}) + (K2 * F(MHz))$

*All values nominal unless otherwise noted*