

## CABLE CONSTRUCTION

1. ETFE Jacket (White) Laser Markable
2. Tin-Plated Copper Shields
3. ETFE Inner Jacket (White)
4. Foil Shield
5. Foamed FEP Dielectric
6. Stranded Silver-Plated Copper Conductor

L7626TX provides a significant advantage in weight and flexibility in this 75 ohm cable with added EMI protection by means of an isolated second 95% coverage shield — the major benefit of a triaxial design.

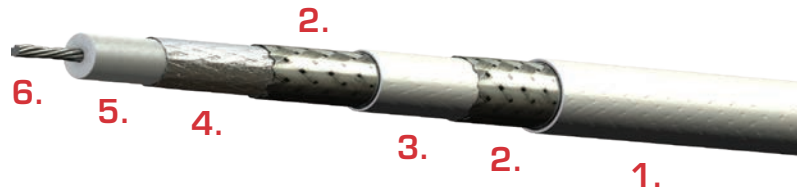
Used for video signals in cabin entertainment and other airborne applications, the outer shield is customarily grounded in order to provide a bypass for both induced and electric field noise currents. Thus EMI is significantly reduced.

L7626TX is Skydrol resistant, RoHS compliant and meets the FAA flammability requirements of FAR Part 23 and 25, Appendix F; complies with MIL-C-17 as applicable.

All connectors which are used for PIC cables V75268 and V76261 can be used for terminating the “inner coax” of L7626TX.

## CONNECTOR DATA

### 110459 TRB Triax 3-lug Connector



## PHYSICAL DATA

- Conductor 26 AWG Stranded SPC
- Tensile Strength: lbs (kg) Approx. 25 (11.3)
- Operating Temperature -55° to +150°C
- Outer Diameter: in (mm) 0.16 (3.99)
- Minimum Bend Radius: in (mm) 0.80 (20.32)
- Weight: lbs/100 ft (kg/100 m) 2.2 (3.3)

## ELECTRICAL DATA

- Impedance: ohms 75
- Capacitance: pF/ft (m) 16.0 (52.5)
- Velocity of Propagation: % 80.0
- Time Delay: ns/ft (m) 1.27 (4.17)
- RF Shielding Effectiveness: dB/min -90
- DC Resistance: ohms/1000 ft (m) 38.5 (126.3)
- Attenuation: Nom / Max dB/100 ft (dB/100 m)
  - @100 MHz 5.5 / 6.1 (18.0 / 20.0)
  - @400 MHz 11.2 / 12.3 (36.7 / 40.4)
  - @1.45 GHz 21.6 / 23.8 (70.9 / 78.1)
  - @3.00 GHz 31.6 / 34.8 (103.7 / 114.2)
- K Values (nom loss): K1 = 0.55, K2 = 0.0005
- Formula for Attenuation:  $(K1 * \sqrt{F(MHz)}) + (K2 * F(MHz))$

*All values nominal unless otherwise noted*