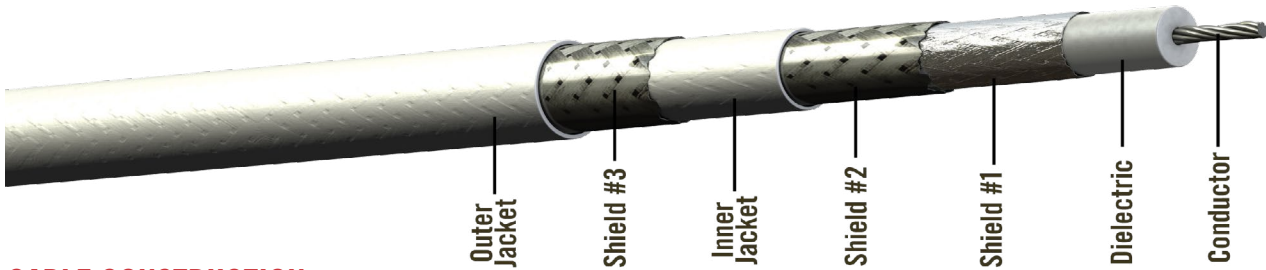


# L7626TX



## CABLE CONSTRUCTION

- Conductor:** Silver-Plated Copper
- Dielectric:** FEP
- Shield #1:** Aluminum/Polyester Composite
- Inner Jacket:** Extruded ETFE, White
- Shield #2:** Tin-Plated Copper Braid
- Shield #3:** Tin-Plated Cooper Braid
- Outer Jacket:** Extruded ETFE, White (Laser Markable)

L7626TX is a 75 ohm triaxial cable that is used in systems that are susceptible to RFI and noise-generating devices, such as video signals in-cabin entertainment and or other systems that need to be isolated. To improve the signal-to-noise ratio and noise pick-up, this cable has an additional outer braided shield insulated from the signal carrying conductors.

For maximum shielding efficiency, triaxial connectors should be used where the isolation of the two shields is maintained through the connectors. Connectors for V75268 and V76261 coax cables can be used to terminate the “inner coax” of L7626TX.

## PHYSICAL DATA

- Conductor:** 26 AWG Stranded SPC
- Temperature Range:** -55° to 150°C
- Outer Diameter:** in (mm) 0.157 (3.99)
- Minimum Bend Radius:** in (mm) 0.8 (20.32)
- Weight:** lbs/100 ft (kg/100 m) 2.2 (3.3)

## ENVIRONMENTAL DATA

- Skydrol Resistant:** SAE AS4373E, Method 601
- RoHS Compliant:** RoHS Directive 2002/95/EC
- Flame / Smoke Requirements:** FAR Part 25.869 (a) App. F, Part 1, (a)(3)
- Berry Specialty Metals Compliance:** DFARS v252.225-7014, Alt 1

## ELECTRICAL DATA

- Impedance:** 75 ohms
- Capacitance:** pF/ft (m) 16 (52.5)
- Velocity of Propagation:** 80%
- Time Delay:** ns/ft (m) 1.27 (4.17)
- Shielding Effectiveness:** dB/min -90
- DC Resistance:** ohms/1000 ft (m) 38.5 (126.3)

## ATTENUATION DATA

Frequency	Nom / Max dB/100 ft	Nom / Max 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)
@ 3.0 GHz	31.6/34.8	(103.7/114.2)

**Formula for Attenuation:**  
 $(K1 \times \sqrt{F(\text{MHz})}) + (K2 \times F(\text{MHz}))$

**K Values (nom loss):** K1 = 0.550 K2 = 0.0005

*All values nominal, unless otherwise noted*

**L7626TX 75 OHM TRIAXIAL CABLE**

# CONTACTS/CONNECTORS FOR L7626TX

## ARINC CONTACTS

PART #	CONTACT TYPE
190703	Size 5 Socket (50Ω)
190733	Size 5 Socket (75Ω)
190729	Size 8 Socket (50Ω)
190732	Size 8 Socket (75Ω)
190730	Size 16 Socket
110237	Mil-C-81659 Size 9 Socket

## M39029 FOR MIL-C-38999 CONTACTS

PART #	CONTACT TYPE
190738	Size 8 Pin (50Ω)
190738-01	Size 8 Pin 50 ohm w/seal (50Ω)
190740	Size 8 Pin (75Ω)
190740-01	Size 8 Pin (75Ω) (w/ Environmental Seal)
190766	Size 12 Pin
190735	Size 16 Pin
190739	Size 8 Socket (50Ω)
190739-01	Size 8 Socket (50Ω) (w/ Environmental Seal)
190741	Size 8 Socket (75Ω)
190741-01	Size 8 Socket (75Ω) (w/ Environmental Seal)
190767	Size 12 Socket
190734	Size 16 Socket

## DIN CONNECTOR

PART #	CONNECTOR TYPE
110842	1.0/2.3 DIN Plug

## M39012 CONNECTORS

PART #	CONNECTOR TYPE
190712	BNC Straight Plug
110717	HD-BNC Straight Plug
111163	HD-BNC 90° Plug
110249	BNC 90° Plug
190745	BNC Mini Straight Plug
111069	BNC Mini 90° Plug
190727	BNC Inline Jack
190728	BNC Bulkhead Jack
110783	BNC HD Straight
110677	F Straight Plug
110218	RCA Straight Plug
190736	SMB Socket (75Ω)
110285	SMC Female Plug (75Ω)
190768	SMC 90° Female Plug (75Ω)
110863	SMZ Straight Female Plug (75Ω)
110865	SMZ 90° Female Plug (75Ω)
190714	SMA Straight Plug
190708	TNC Straight Plug
190721	TNC Bulkhead Jack
190752	MCX 90° Plug (75Ω)

## D-SUB CONTACTS

PART #	CONTACT TYPE
110235	Size 8 Pin (50Ω)
190763	Size 8 Pin (75Ω)
110236	Size 8 Socket (50Ω)
190764	Size 8 Socket (75Ω)