

75 Ohm Triaxial Cable

P/N 612301



CONSTRUCTION DETAILS

- Conductor:** 23 AWG stranded tin-plated copper
- Dielectric:** High temperature fluoropolymer
- Shield 1:** Aluminum tape
- Inner Jacket:** White high temperature fluoropolymer
- Shield 2:** Tin-plated copper braid
- Outer Jacket:** White high temperature fluoropolymer (Laser Markable)

PHYSICAL CHARACTERISTICS

- Outer Diameter:** 0.20 in. nominal
- Bend Radius:** 1.0 in. nominal
- Weight:** 3.7 lbs/100 ft. nominal
- Temperature Range:** -55° to +150°C
- Skydrol Resistant:** Yes

ENVIRONMENTAL DETAILS

- » ECS avionics cables are designed to meet, or exceed, burn requirements as set forth in Federal Aviation Regulations 14 CFR Part 25.869(a)(4) Amdt 25-113, Appendix F Part I(a)(3).
- » They are manufactured with materials which, when subjected to flames or high temperatures, will not outgas deadly hydrogen chloride produced by conventional PVC cables.

ELECTRICAL CHARACTERISTICS

- Impedance:** 75.0 Ohms nominal
- Capacitance:** 20.0 pF/ft. nominal
- DC Resistance:** 23.7 Ohms/1000 ft. nominal
- Time Delay:** 1.28 ns/ft. nominal
- Velocity of Propagation:** 82% nominal
- Shield Effectiveness:** > 90 dB
- Attenuation:** 1.2 dB/100 ft. @ 10 MHz (nominal)
- 3.0 dB/100 ft. @ 100 MHz
- 8.3 dB/100 ft. @ 400 MHz
- 20.0 dB/100 ft. @ 1450 MHz

CONNECTOR TYPES FOR CABLE 612301

Connector Type	Connector P/N
BNC Straight	N/A
BNC 90°	N/A
BNC Bulkhead	N/A
TNC Straight	N/A
SMA 90°	N/A

Connector Type	Connector P/N
F Straight	N/A
F 90°	N/A
ARINC 600 Size 5	N/A
ARINC 600 Size 8	N/A

Connector Type	Connector P/N
ARINC 404 Size 9	N/A
D-SUB #8 Socket	N/A
D-SUB #8 Pin	N/A
TRB Triax Plug	305-1353-1

