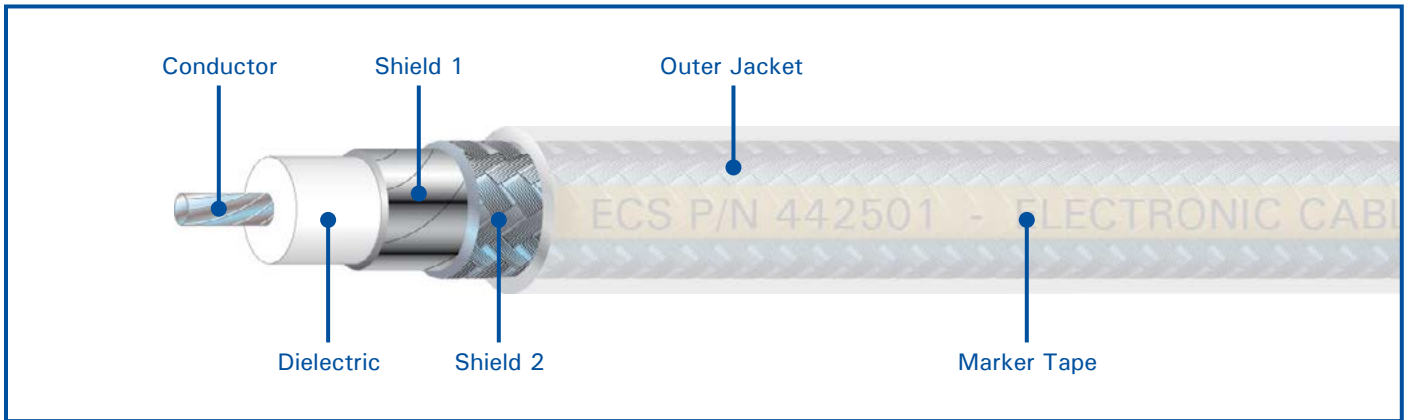


# 75 Ohm Coaxial Cable

## P/N 442501



### CONSTRUCTION DETAILS

- Conductor:** 26 AWG stranded silver-plated copper
- Dielectric:** High temperature fluoropolymer
- Shield 1:** Aluminum/Polyester foil
- Shield 2:** 38 AWG tin-plated copper braid
- Jacket:** White high temperature fluoropolymer (Laser Markable)

### PHYSICAL CHARACTERISTICS

- Outer Diameter:** 0.130 in. nominal
- Bend Radius:** 0.61 in. nominal
- Weight:** 1.25 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:** 16.0 pF/ft. nominal
- DC Resistance:** 37.3 Ohms/1000 ft. nominal
- Time Delay:** 1.25 ns/ft. nominal
- Velocity of Propagation:** 76% nominal
- Shield Effectiveness:** > 80 dB
- Attenuation:** 1.8 dB/100 ft. @ 10 MHz (nominal)
- 5.2 dB/100 ft. @ 100 MHz
- 17.8 dB/100 ft. @ 950 MHz
- 22.7 dB/100 ft. @ 1450 MHz
- 28.7 dB/100 ft. @ 2150 MHz

### CONNECTOR TYPES FOR CABLE 442501

Connector Type	Connector P/N
BNC Straight	CBS442
BNC 90°	CBR442
BNC Bulkhead	BBS442
TNC Straight	N/A
SMA 90°	N/A

Connector Type	Connector P/N
F Straight	PL130SC-026
F 90°	N/A
ARINC 600 Size 5	CAS452
ARINC 600 Size 8	CAS482

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	N/A

