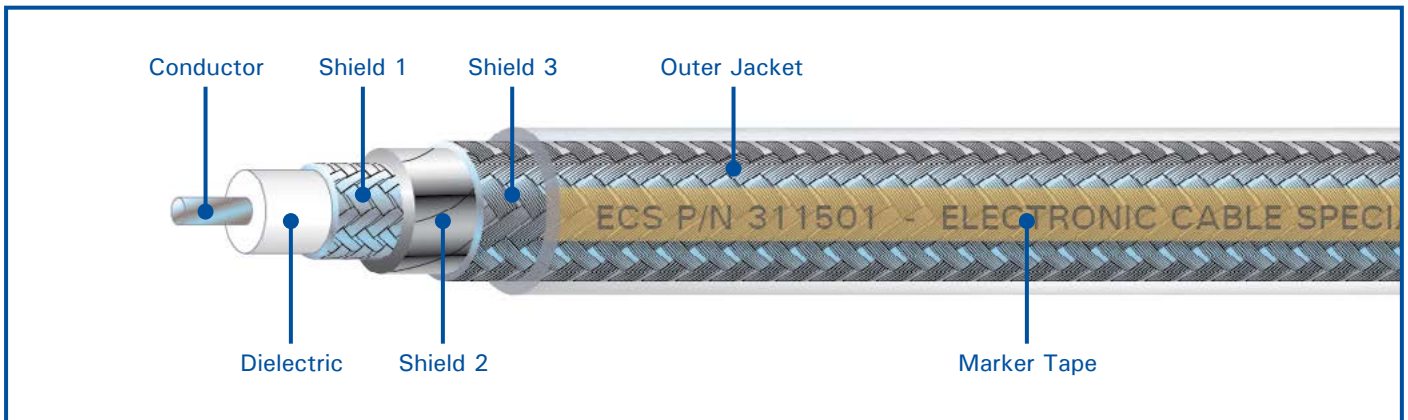


# 50 Ohm Coaxial Cable

## P/N 311501



### CONSTRUCTION DETAILS

- Conductor:** 15 AWG solid silver-plated copper
- Dielectric:** High temperature fluoropolymer
- Shield 1:** Flat silver-plated copper braid
- Shield 2:** Aluminum foil
- Shield 3:** 38 AWG silver-plated copper braid
- Jacket:** Clear high temperature fluoropolymer

### 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.

### PHYSICAL CHARACTERISTICS

- Outer Diameter:** 0.229 in. nominal
- Bend Radius:** 1.2 in. nominal
- Weight:** 5.1 lbs/100 ft. nominal
- Temperature Range:** -55° to +200°C
- Skydrol Resistant:** Yes

### ELECTRICAL CHARACTERISTICS

- Impedance:** 50.0 Ohms nominal
- Capacitance:** 25.5 pF/ft. nominal
- DC Resistance:** 2.98 Ohms/1000 ft. nominal
- Time Delay:** 1.27 ns/ft. nominal
- Velocity of Propagation:** 80% nominal
- Shield Effectiveness:** > 90 dB
- Attenuation:** 2.7 dB/100 ft. @ 150 MHz  
(nominal) 7.1 dB/100 ft. @ 1000 MHz  
9.1 dB/100 ft. @ 1600 MHz  
10.7 dB/100 ft. @ 2400 MHz  
16.1 dB/100 ft. @ 5000 MHz

### CONNECTOR TYPES FOR CABLE 311501

Connector Type	Connector P/N
TNC 90°	CTR922
TNC 90° Extended	CTRE922
TNC 90° Long	CTRL922
TNC Straight	CTS922
TNC Panel Mount	RTS922
TNC Bulkhead	BTS922
C 90°	CCR922
C Straight	CCS922

Connector Type	Connector P/N
BNC 90°	CBR922
BNC 90° Extended	CBRE922
BNC 90° Long	CBRL922
BNC Straight	CBS922
BNC Bulkhead	N/A
N 90°	CNR922
N Straight	CNS922
N Bulkhead	BNS922

Connector Type	Connector P/N
ARINC 404 Size 1	LM922
ARINC 600 Size 1	L9122
ARINC 600 Size 1RF	M9122
ARINC 600 Size 5	P922
SMA 90°	CSR922
SMA Straight	CSS922
HN 90°	CHR922
ARINC 600 Size 8	CAS982

