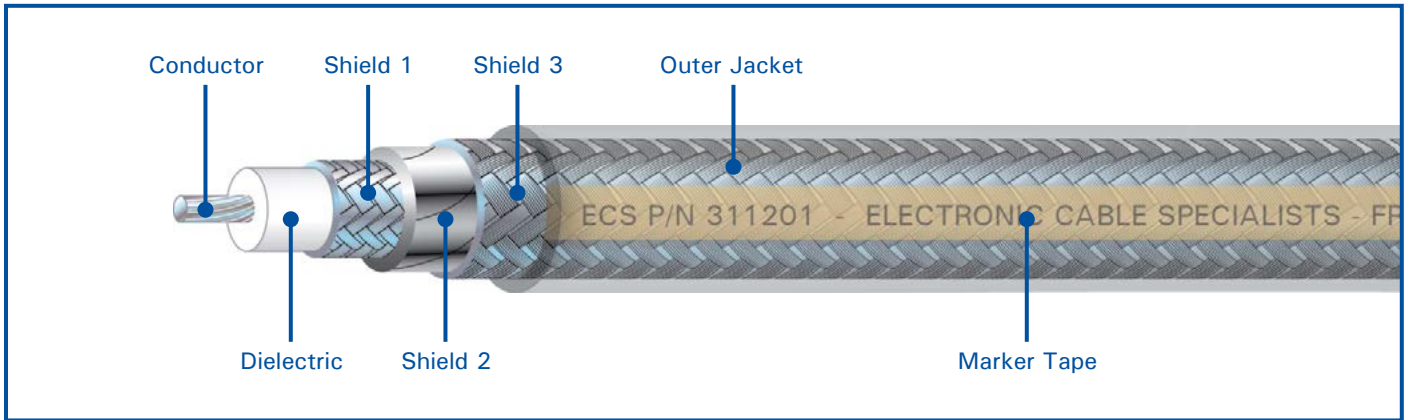


50 Ohm Coaxial Cable

P/N 311201



CONSTRUCTION DETAILS

- Conductor:** 12 AWG stranded silver-plated copper
- Dielectric:** High temperature fluoropolymer
- Shield 1:** Flat silver-plated copper braid
- Shield 2:** Aluminum foil
- Shield 3:** 36 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:** 0.317 in. nominal
- Bend Radius:** 1.59 in. nominal
- Weight:** 8.6 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:** 1.69 Ohms/1000 ft. nominal
- Time Delay:** 1.27 ns/ft. nominal
- Velocity of Propagation:** 80% nominal
- Shield Effectiveness:** > 90 dB
- Attenuation:** 2.1 dB/100 ft. @ 150 MHz (nominal)
- 5.6 dB/100 ft. @ 1000 MHz
- 6.7 dB/100 ft. @ 1600 MHz
- 8.9 dB/100 ft. @ 2400 MHz
- 12.7 dB/100 ft. @ 5000 MHz

CONNECTOR TYPES FOR CABLE 311201

Connector Type	Connector P/N
TNC 90°	CTR122
TNC 90° Extended	N/A
TNC 90° Long	N/A
TNC Straight	CTS122
TNC Panel Mount	N/A
TNC Bulkhead	BTS122
C 90°	CCR122
C Straight	CCS122

Connector Type	Connector P/N
BNC 90°	CBR122
BNC 90° Extended	N/A
BNC 90° Long	N/A
BNC Straight	CBS122
BNC Bulkhead	N/A
N 90°	CNR122
N Straight	CNS122
N Bulkhead	BNS122

Connector Type	Connector P/N
ARINC 404 Size 1	LM122
ARINC 600 Size 1	L1122
ARINC 600 Size 1RF	M1122
ARINC 600 Size 5	N/A
SMA 90°	CSR122
SMA Straight	CSS122
HN 90°	CHR122
ARINC 600 Size 8	N/A

