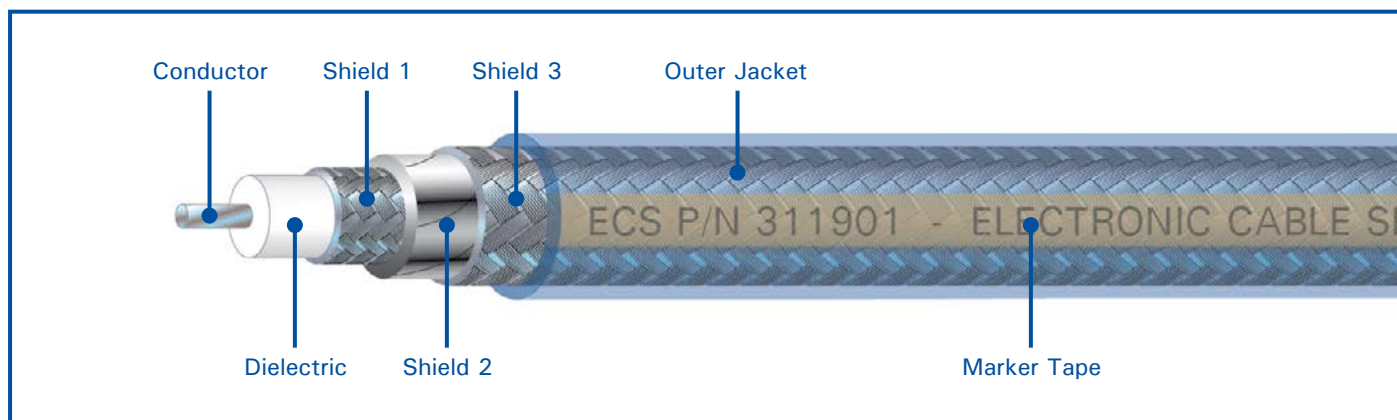


50 Ohm Coaxial Cable

P/N 311901



CONSTRUCTION DETAILS

Conductor: 19 AWG solid silver-plated copper

Dielectric: High temperature fluoropolymer

Shield 1: Silver-plated copper braid

Shield 2: Aluminum foil

Shield 3: 36 AWG silver-plated copper braid

Jacket: Blue 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: 0.195 in. nominal

Bend Radius: 1.0 in. nominal

Weight: 4.3 lbs/100 ft. nominal

Temperature Range: -55° to +200°C

Skydrol Resistant: Yes

ELECTRICAL CHARACTERISTICS

Impedance: 50.0 Ohms nominal

Capacitance: 29.3 pF/ft. nominal

DC Resistance: 19.5 Ohms/1000 ft. nominal

Time Delay: 1.46 ns/ft. nominal

Velocity of Propagation: 70% nominal

Shield Effectiveness: >90 dB

Attenuation: 4.3 dB/100 ft. @ 150 MHz
(nominal) 12.2 dB/100 ft. @ 1000 MHz
15.8 dB/100 ft. @ 1600 MHz
18.6 dB/100 ft. @ 2400 MHz
30.0 dB/100 ft. @ 5000 MHz

CONNECTOR TYPES FOR CABLE 311901

Connector Type	Connector P/N
TNC 90°	CTR722
TNC 90° Extended	N/A
TNC 90° Long	N/A
TNC Straight	CTS722
TNC Panel Mount	N/A
TNC Bulkhead	BTS722
C 90°	CCR722
C Straight	CCS722

Connector Type	Connector P/N
BNC 90°	CBR722
BNC 90° Extended	N/A
BNC 90° Long	N/A
BNC Straight	CBS722
BNC Bulkhead	BBS722
N 90°	CNR722
N Straight	CNS722
N Bulkhead	BN3722

Connector Type	Connector P/N
ARINC 404 Size 1	LM722
ARINC 600 Size 1	L9722
ARINC 600 Size 1RF	M7122
ARINC 600 Size 5	620021
SMA 90°	CSR722
SMA Straight	CSS722
HN 90°	CHR722
ARINC 600 Size 8	N/A