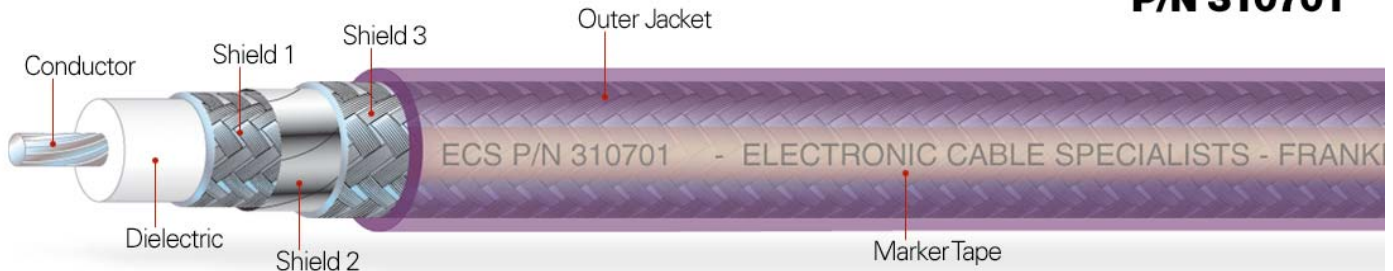




Providing complete avionics installation provisions and support for the Aviation industry since 1984.

50 Ohm Coaxial Cable

P/N 310701



Conductor: 7 AWG solid copper clad aluminum
Dielectric: High temperature fluoropolymer
Shield 1: Flat silver plated copper braid
Shield 2: Aluminum tape
Shield 3: Silver plated copper braid
Jacket: Purple high temperature fluoropolymer (laser markable)

Physical Characteristics

Outer Diameter: 0.485 in. nominal
Bend Radius: 3.0 in. nominal
Weight: 18 lbs/100 ft. nominal
Temperature Range: -55° to +150° C
Skydrol Resistant: Yes

Electrical Characteristics

Impedance: 50.0 Ohms nominal
Capacitance: 25.5 pF/ft nominal
DC Resistance: 0.85 Ohms/1000 ft. nominal
Time Delay: 1.25 ns/ft nominal
Attenuation: 156 MHz 1.0 dB/100 ft; (nominal)
 1090 MHz 3.1 dB/100 ft;
 1660 MHz 3.9 dB/100 ft;
 4400 MHz 6.9 dB/100 ft.

Environmental:

- 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.

Connector Types for Cable 310701

Connector Type	Connector P/N	Connector Type	Connector P/N	Connector Type	Connector P/N
TNC 90°	CTR002	BNC 90°	N/A	ARINC 404 Size 1	N/A
TNC 90° Extended	N/A	BNC 90° Extended	N/A	ARINC 600 Size 1	L0102
TNC 90° Long	N/A	BNC 90° Long	N/A	ARINC 600 Size 1RF	N/A
TNC Straight	CTS002	BNC Straight	N/A	ARINC 600 Size 5	N/A
TNC Panel Mount	N/A	BNC Bulkhead	N/A	SMA 90°	N/A
TNC Bulkhead	BTS002	N 90°	CNR002	SMA Straight	N/A
C 90°	N/A	N Straight	CNS002	HN 90°	N/A
C Straight	N/A	N Bulkhead	BNS002		

Cage Code: 66197 • **Issue Date:** 9/21/09

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