



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

50 Ohm Coaxial Cable

P/N 310801



Conductor: 8 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 (laser markable)

Physical Characteristics

Outer Diameter: 0.452 in. nominal
Bend Radius: 2.26 in. nominal
Weight: 19 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: 0.67 Ohms/1000 ft nominal
Time Delay: 1.25 ns/ft nominal
Attenuation: 1 GHz 3.50 dB/100 ft; (nominal)
 2 GHz 5.20 dB/100 ft;
 3 GHz 6.75 dB/100 ft;
 5 GHz 8.97 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 310801

Connector Type	Connector P/N	Connector Type	Connector P/N	Connector Type	Connector P/N
TNC 90°	CTR022	BNC 90°	CBR022	ARINC 404 Size 1	LM022
TNC 90° Extended	N/A	BNC 90° Extended	N/A	ARINC 600 Size 1	L0122
TNC 90° Long	N/A	BNC 90° Long	N/A	ARINC 600 Size 1RF	M0122
TNC Straight	CTS022	BNC Straight	CBS022	ARINC 600 Size 5	N/A
TNC Panel Mount	N/A	BNC Bulkhead	N/A	SMA 90°	N/A
TNC Bulkhead	BTS022	N 90°	CNR022	SMA Straight	N/A
C 90°	CCR022	N Straight	CNS022	HN 90°	CHR022
C Straight	CCS022	N Bulkhead	BNS022		

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