



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

75 Ohm Coaxial Cable

P/N 442501



Conductor: 26 AWG stranded silver plated copper
Dielectric: High temperature fluoropolymer
Shield 1: Aluminum/Polyester foil
Shield 2: 38 AWG tin plated copper braid
Jacket: White high temperature fluoropolymer (laser markable)

Physical Characteristics

Outer Diameter: 0.130 in. nominal
Bend Radius: 0.61 in. nominal
Weight: 1.25 lbs/100 ft nominal
Temperature Range: -55° to +150° C
Skydrol Resistant: Yes

Electrical Characteristics

Impedance: 75.0 Ohms nominal
Capacitance: 16.0 pF/ft nominal
DC Resistance: 37.3 Ohms/1000 ft nominal
Time Delay: 1.25 ns/ft nominal
Attenuation: 10 MHz 1.40 dB/100 ft; (nominal) 400 MHz 9.50 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 442501

Connector Type	Connector P/N	Connector Type	Connector P/N	Connector Type	Connector P/N
BNC Straight	CBS442	F Straight	PL130SC-026	ARINC 404 Size 9	N/A
BNC 90°	CBR442	F 90°	N/A	D-SUB #8 Socket	N/A
BNC Bulkhead	BBS442	ARINC 600 Size 5	CAS452	D-SUB #8 Pin	N/A
TNC Straight	N/A	ARINC 600 Size 8	CAS482	TRB Triax Plug	N/A
SMA 90°	N/A				

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

5300 W. Franklin Drive
 Franklin, Wisconsin 53132 USA

414.421.5300 • 800.327.9473
 sales@ecsdirect.com • www.ecsdirect.com

