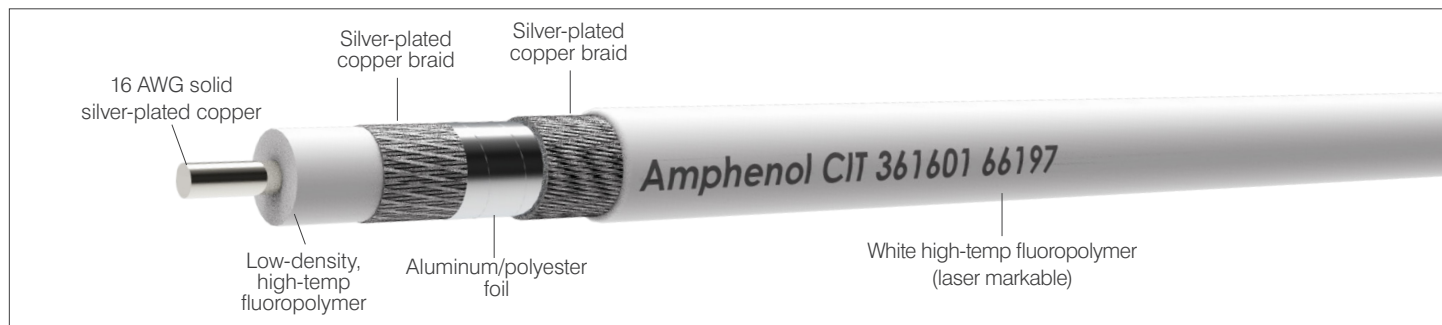


ECS Avionics RF Cable

P/N 361601 | 50 Ω Coaxial



INTRODUCTION

Our ECS Brand Avionics RF cables are optimized specifically for avionics systems that require a low-loss, lightweight, halogen-free cable with frequencies between 0 - 12 GHz. Sold in bulk, as finished assemblies, or within an application-specific kit, these cables have short lead times and are often in stock with same-day shipping available.

ENVIRONMENTAL DETAILS

- » 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).
- » Manufactured with materials which, when subjected to flames or high temperatures, will not outgas deadly hydrogen chloride produced by conventional PVC cables.

CONNECTOR TYPE	P/N
ARINC 404 Size 1	LMT101 Adapter
ARINC 600 Size 1	N-A
ARINC 600 Size 1 Modified	M6622
ARINC 600 Size 5	N-A
ARINC 600 Size 8	N-A
BNC 90°	CBR6622
BNC 90° Extended	N-A
BNC 90° Long	N-A
BNC Bulkhead	BBS6622
BNC Straight	CBS6622
C 90°	CCR6622
C Straight	N-A
HN 90°	N-A
N 90°	CNR6622
N Bulkhead	BNS6622
N Straight	CNS6622
SMA 90°	N-A
SMA Straight	N-A
TNC 90°	CTR6622
TNC 90° Self-Locking	CLTR6622
TNC 90° Extended	N-A
TNC 90° Long	N-A
TNC Bulkhead	BTS6622
TNC Panel Mount	N-A
TNC Straight	CTS6622
TNC Straight Self-Locking	CLTS6622

PHYSICAL CHARACTERISTICS (NOMINAL)

Outer Diameter	0.195"
Minimum Bend Radius	1.0"
Weight	3.8 lb/100 ft
Temperature Range	-55 to 150 °C
Skydrol™ Resistant	Yes

ELECTRICAL CHARACTERISTICS (NOMINAL)

Impedance	50 Ω	
Capacitance	25.0 pF/ft	
DC Resistance	4.10 Ω/1,000 ft	
Time Delay	1.27 ns/ft	
Velocity of Propagation	80%	
Shield Effectiveness	> 90 dB	
Attenuation	@ 156 MHz	3.2 dB/100 ft
	@ 1,090MHz	8.6 dB/100 ft
	@ 1,660 MHz	10.5 dB/100 ft
	@ 2,400 MHz	12.6 dB/100 ft
	@ 5,091 MHz	18.2 dB/100 ft

CONSTRUCTION DETAILS

Conductor	16 AWG solid silver-plated copper
Dielectric	Low-density, high-temperature fluoropolymer
Shield 1	Silver-plated copper braid
Shield 2	Aluminum/polyester foil
Shield 3	Silver-plated copper wire braid
Outer Jacket	White high-temperature fluoropolymer (laser markable)

Skydrol is a protected trademark of the Eastman Chemical Company.