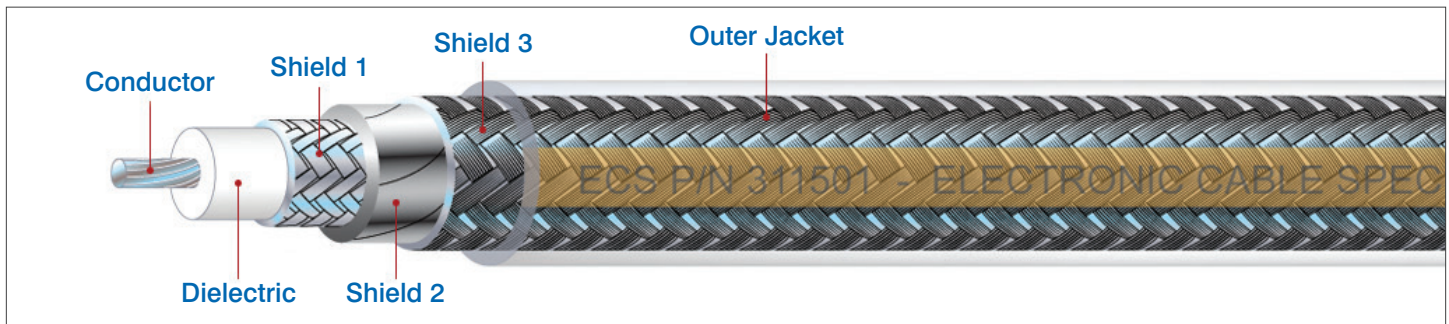


## ECS Avionics RF Cable

P/N 311501 | 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	Use LMT101 Adapter
ARINC 600 Size 1	L9122
ARINC 600 Size 1 Modified	M9122
ARINC 600 Size 5	P922
ARINC 600 Size 8	CAS982
BNC 90°	CBR922
BNC 90° Extended	CBRE922
BNC 90° Long	CBRL922
BNC Bulkhead	N/A
BNC Straight	CBS922
C 90°	CCR922
C Straight	CCS922
HN 90°	CHR922
N 90°	CNR922
N Bulkhead	BNS922
N Straight	CNS922
SMA 90°	CSR922
SMA Straight	CSS922
TNC 90°	CTR922
TNC 90° Self-Locking	CLTR922
TNC 90° Extended	CTRE922
TNC 90° Long	CTRL922
TNC Bulkhead	BTS922
TNC Panel Mount	RTS922
TNC Straight	CTS922
TNC Straight Self-Locking	CLTS922

### PHYSICAL CHARACTERISTICS (NOMINAL)

Outer Diameter	0.229"
Minimum Bend Radius	1.2"
Weight	5.1 lb/100 ft
Temperature Range	-55 to 200 °C
Skydrol™ Resistant	Yes

### ELECTRICAL CHARACTERISTICS (NOMINAL)

Impedance	50 Ω	
Capacitance	25.5 pF/ft	
DC Resistance	2.98 Ω/1,000 ft	
Time Delay	1.25 ns/ft	
Velocity of Propagation	80%	
Shield Effectiveness	> 90 dB	
Attenuation	@ 150 MHz	2.7 dB/100 ft
	@ 1,000 MHz	7.1 dB/100 ft
	@ 1,600 MHz	9.1 dB/100 ft
	@ 2,400 MHz	10.7 dB/100 ft
	@ 5,000 MHz	16.1 dB/100 ft

### CONSTRUCTION DETAILS

Conductor	15 AWG solid silver-plated copper
Dielectric	High-temperature fluoropolymer
Shield 1	Flat silver-plated copper braid
Shield 2	Aluminum foil
Shield 3	38 AWG silver-plated copper braid
Outer Jacket	Clear high-temperature fluoropolymer

Skydrol is a protected trademark of the Eastman Chemical Company.