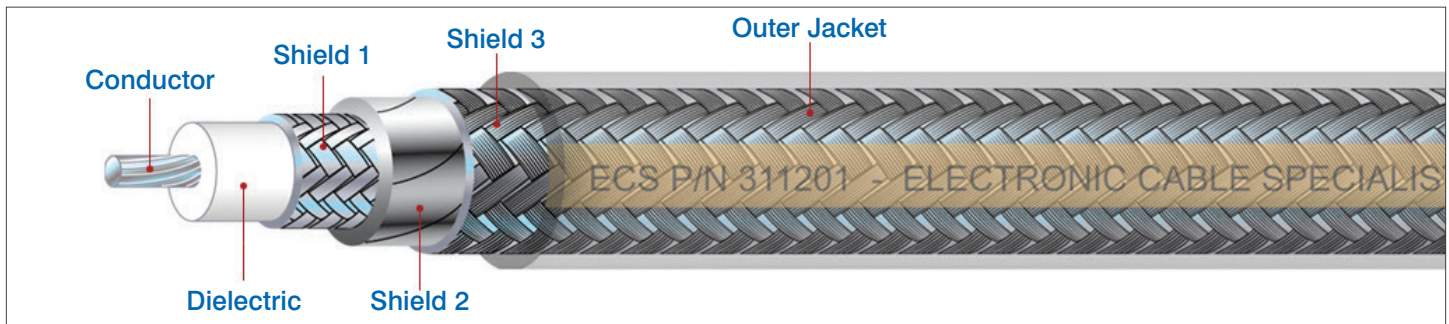


ECS Avionics RF Cable

P/N 311201 | 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	L1122
ARINC 600 Size 1 Modified	M1122
ARINC 600 Size 5	P122
ARINC 600 Size 8	N/A
BNC 90°	CBR122
BNC 90° Extended	N/A
BNC 90° Long	N/A
BNC Bulkhead	N/A
BNC Straight	CBS122
C 90°	CNR122
C Straight	CCS122
HN 90°	CHR122
N 90°	CNR122
N Bulkhead	BN3122
N Straight	CNS122
SMA 90°	CSR122
SMA Straight	CSS122
TNC 90°	CTR022
TNC 90° Self-Locking	CLTR122
TNC 90° Extended	N/A
TNC 90° Long	N/A
TNC Bulkhead	BTS122
TNC Panel Mount	N/A
TNC Straight	CTS122
TNC Straight Self-Locking	CLTS122

PHYSICAL CHARACTERISTICS (NOMINAL)

Outer Diameter	0.317"
Minimum Bend Radius	1.59"
Weight	8.6 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	1.69 Ω/1,000 ft	
Time Delay	1.27 ns/ft	
Velocity of Propagation	80%	
Shield Effectiveness	> 90 dB	
Attenuation	@ 150 MHz	2.1 dB/100 ft
	@ 1,000 MHz	5.6 dB/100 ft
	@ 1,600 MHz	6.7 dB/100 ft
	@ 2,400 MHz	8.9 dB/100 ft
	@ 5,000 MHz	12.7 dB/100 ft

CONSTRUCTION DETAILS

Conductor	12 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
Outer Jacket	Clear high-temperature fluoropolymer

Skydrol is a protected trademark of the Eastman Chemical Company.