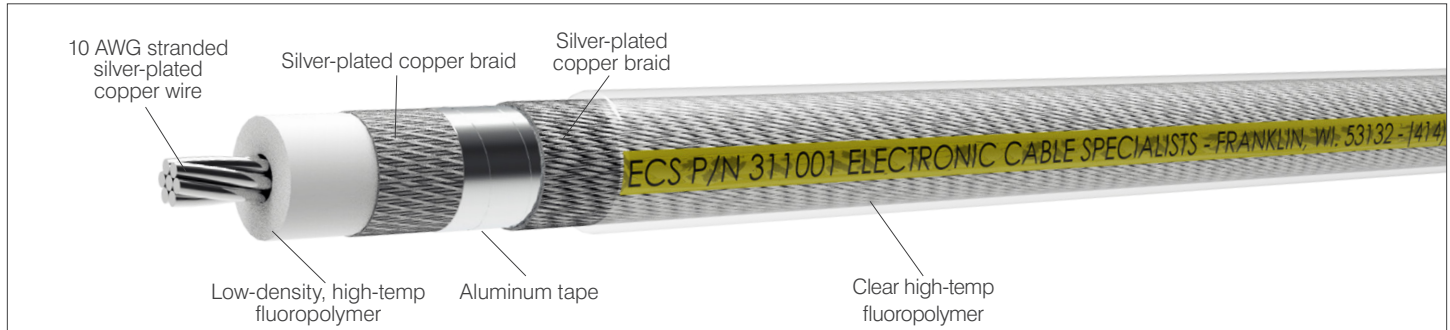


ECS Avionics RF Cable

P/N 311001 | 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	N-A
ARINC 600 Size 5	N-A
ARINC 600 Size 8	N-A
BNC 90°	N-A
BNC 90° Extended	N-A
BNC 90° Long	N-A
BNC Bulkhead	N-A
BNC Straight	CBS102
C 90°	CCR102
C Straight	N-A
HN 90°	N-A
N 90°	CNR102
N Bulkhead	N-A
N Straight	N-A
SMA 90°	N-A
SMA Straight	N-A
TNC 90°	CTR102
TNC 90° Self-Locking	CLTR102
TNC 90° Extended	N-A
TNC 90° Long	N-A
TNC Bulkhead	BTS102
TNC Panel Mount	N-A
TNC Straight	CTS102
TNC Straight Self-Locking	CLTS102

PHYSICAL CHARACTERISTICS (NOMINAL)

Outer Diameter	0.39"
Minimum Bend Radius	1.95"
Weight	13.9 lb/100 ft
Temperature Range	-55 to 200 °C
Skydrol™ Resistant	Yes

ELECTRICAL CHARACTERISTICS (NOMINAL)

Impedance	50 Ω	
Capacitance	27.0 pF/ft	
DC Resistance	1.0 Ω/1,000 ft	
Time Delay	1.28 ns/ft	
Velocity of Propagation	80%	
Shield Effectiveness	> 90 dB	
Attenuation	@ 156 MHz	1.5 dB/100 ft
	@ 1,090MHz	4.0 dB/100 ft
	@ 1,660 MHz	4.9 dB/100 ft
	@ 2,400 MHz	5.9 dB/100 ft
	@ 5,091 MHz	8.9 dB/100 ft

CONSTRUCTION DETAILS

Conductor	10 AWG stranded silver-plated copper wire
Dielectric	Low-density, high-temperature fluoropolymer
Shield 1	Silver-plated copper braid
Shield 2	Aluminum tape
Shield 3	Silver-plated copper braid
Outer Jacket	Clear high-temperature fluoropolymer

Skydrol is a protected trademark of the Eastman Chemical Company.