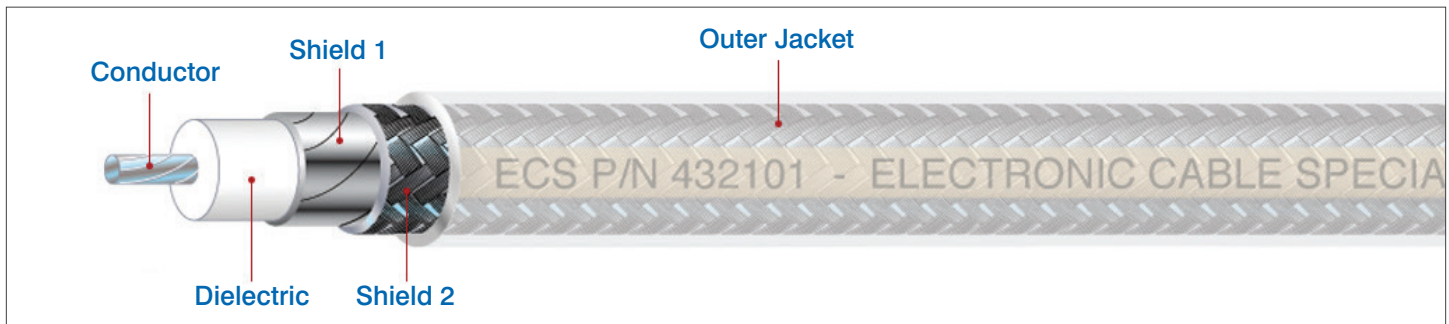


ECS Avionics RF Cable

P/N 432101 | 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	L5122
ARINC 600 Size 1 Modified	M5122
ARINC 600 Size 5	P522
ARINC 600 Size 8	N/A
BNC 90°	CBR522
BNC 90° Extended	N/A
BNC 90° Long	N/A
BNC Bulkhead	BBS522
BNC Straight	CBS522
C 90°	CCR522
C Straight	CCS522
HN 90°	N/A
N 90°	CNR522
N Bulkhead	BNS522
N Straight	CNS522
SMA 90°	CSR522
SMA Straight	CSS522
TNC 90°	CTR522
TNC 90 Self-Locking	CLTR522
TNC 90° Extended	N/A
TNC 90° Long	N/A
TNC Bulkhead	BTS522
TNC Panel Mount	N/A
TNC Straight	CTS522
TNC Straight Self-Locking	CLTS522

PHYSICAL CHARACTERISTICS (NOMINAL)

Outer Diameter	0.130"
Minimum Bend Radius	0.65"
Weight	1.45 lb/100 ft
Temperature Range	-55 to 200 °C
Skydrol™ Resistant	Yes

ELECTRICAL CHARACTERISTICS (NOMINAL)

Impedance	50 Ω	
Capacitance	26 pF/ft	
DC Resistance	9.6 Ω/1,000 ft	
Time Delay	1.34 ns/ft	
Velocity of Propagation	76%	
Shield Effectiveness	> 80 dB	
Attenuation	@ 150 MHz	5.3 dB/100 ft
	@ 1,000 MHz	14.3 dB/100 ft
	@ 1,600 MHz	17.8 dB/100 ft
	@ 2,400 MHz	21.4 dB/100 ft
	@ 5,000 MHz	33.4 dB/100 ft

CONSTRUCTION DETAILS

Conductor	20 AWG stranded silver-plated copper
Dielectric	High-temperature fluoropolymer
Shield 1	Aluminum tape
Shield 2	Tin-plated copper braid
Outer Jacket	White high-temperature fluoropolymer

Skydrol is a protected trademark of the Eastman Chemical Company.