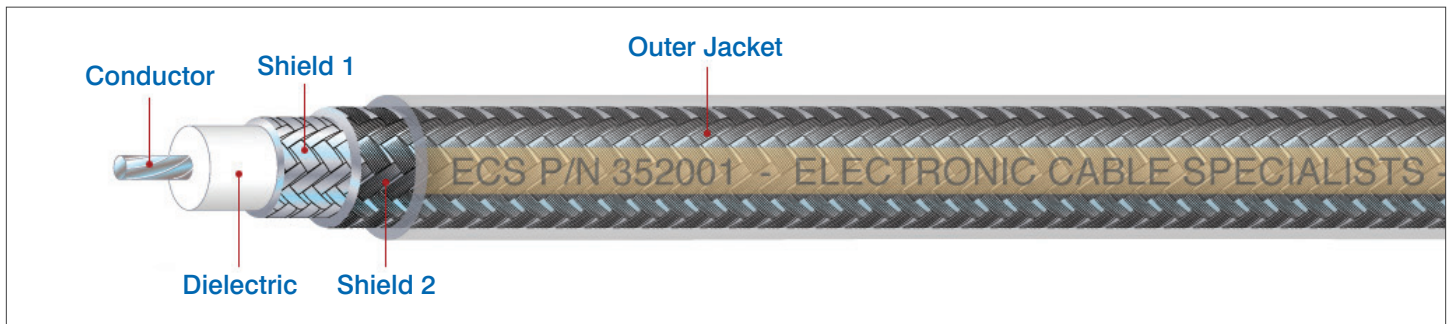


## ECS Avionics RF Cable

P/N 352001 | 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	L35122
ARINC 600 Size 1 Modified	M35122
ARINC 600 Size 5	P3522
ARINC 600 Size 8	N/A
BNC 90°	CBR3522
BNC 90° Extended	CBRE3522
BNC 90° Long	CBRL3522
BNC Bulkhead	BBS3522
BNC Straight	CBS3522
C 90°	CCR3522
C Straight	CCS3522
HN 90°	CHR3522
N 90°	CNR3522
N Bulkhead	BNS3522
N Straight	CNS3522
SMA 90°	CSR3522
SMA Straight	CSS3522
TNC 90°	CTR3522
TNC 90 Self-Locking	CLTR3522
TNC 90° Extended	CTRE3522
TNC 90° Long	CTRL3522
TNC Bulkhead	BTS3522
TNC Panel Mount	N/A
TNC Straight	CTS3522
TNC Straight Self-Locking	CLTS3522

### PHYSICAL CHARACTERISTICS (NOMINAL)

Outer Diameter	0.162"
Minimum Bend Radius	0.81"
Weight	2.7 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	7.5 Ω/1,000 ft	
Time Delay	1.25 ns/ft	
Velocity of Propagation	80%	
Shield Effectiveness	> 80 dB	
Attenuation	@ 150 MHz	4.5 dB/100 ft
	@ 1,000 MHz	12.2 dB/100 ft
	@ 1,600 MHz	14.8 dB/100 ft
	@ 2,400 MHz	20.4 dB/100 ft
	@ 5,000 MHz	26.4 dB/100 ft

### CONSTRUCTION DETAILS

Conductor	20 AWG stranded silver-plated copper
Dielectric	High-temperature fluoropolymer
Shield 1	Silver-plated copper braid
Shield 2	38 AWG silver-plated copper braid
Outer Jacket	Clear high-temperature fluoropolymer

Skydrol is a protected trademark of the Eastman Chemical Company.