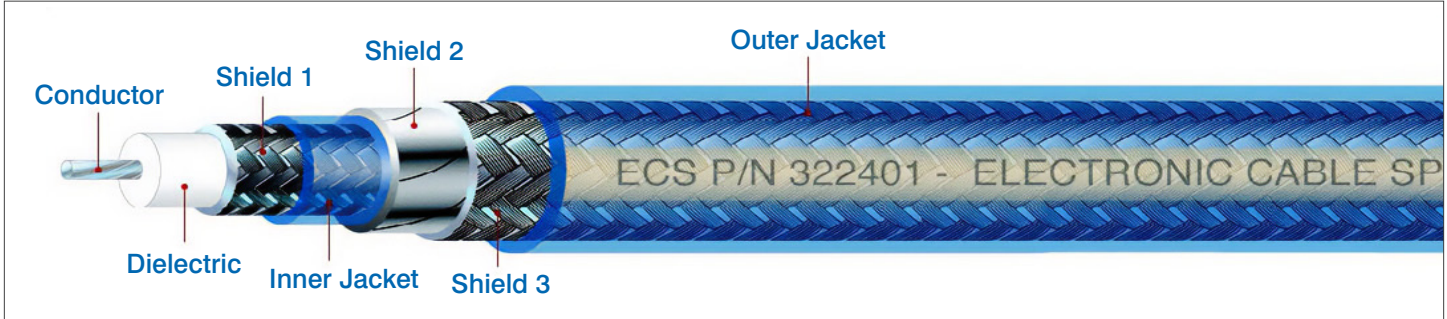


ECS Avionics RF Cable

P/N 322401 | 75 Ω Triaxial



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.

PHYSICAL CHARACTERISTICS (NOMINAL)

Outer Diameter	0.246"
Bend Radius	1.0"
Weight	5.8 lb/100 ft
Temperature Range	-55 to 200 °C
Skydrol™ Resistant	Yes

ELECTRICAL CHARACTERISTICS (NOMINAL)

Impedance	75 Ω	
Capacitance	20.4 pF/ft	
Time Delay	1.46 ns/ft	
Velocity of Propagation	69.5%	
Shield Effectiveness	> 90 dB	
Attenuation	@ 1 MHz	0.72 dB/100 ft
	@ 10 MHz	1.14 dB/100 ft
	@ 100 MHz	3.15 dB/100 ft
	@ 400 MHz	7.19 dB/100 ft
	@ 1,000 MHz	13.91 dB/100 ft

CONSTRUCTION DETAILS

Conductor	24 AWG tin-plated copper
Dielectric	High-temperature fluoropolymer
Shield 1	36 AWG tin-plated copper braid
Inner Jacket	Blue high-temperature fluoropolymer
Shield 2	Aluminum Polyester foil
Shield 3	36 AWG tin-plated copper braid
Outer Jacket	Blue high-temperature fluoropolymer

Skydrol is a protected trademark of the Eastman Chemical Company.