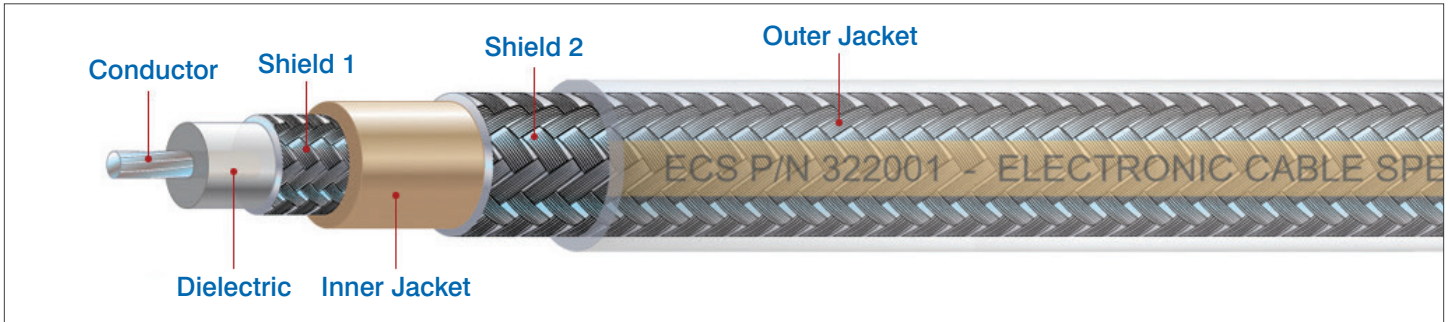


ECS Avionics RF Cable

P/N 322001 | 50 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.

CONNECTOR TYPE	P/N
90° Panel Mount Receptacle	34-30-2
Trompeter 2 Stud Bulkhead Receptacle	BJ79TL-7
Trompeter 3 Lug Bulkhead Receptacle	BJ79-7
Trompeter 3 Stud Plug	PL75-7, PL75C-306

PHYSICAL CHARACTERISTICS (NOMINAL)

Outer Diameter	0.236"
Minimum Bend Radius	1.2"
Weight	5.7 lb/100 ft
Temperature Range	-55 to 200 °C
Skydrol™ Resistant	Yes

ELECTRICAL CHARACTERISTICS (NOMINAL)

Impedance	50 Ω	
Capacitance	29.5 pF/ft	
DC Resistance	8.7 Ω/1,000 ft	
Time Delay	1.46 ns/ft	
Velocity of Propagation	69.5%	
Shield Effectiveness	> 80 dB	
Attenuation	@ 150 MHz	5.1 dB/100 ft
	@ 1,000 MHz	14.4 dB/100 ft
	@ 1,600 MHz	18.7 dB/100 ft
	@ 2,400 MHz	23.4 dB/100 ft
	@ 5,000 MHz	36.1 dB/100 ft

CONSTRUCTION DETAILS

Conductor	20 AWG stranded silver-plated copper
Dielectric	High-temperature fluoropolymer
Shield 1	36 AWG silver-plated copper braid
Inner Jacket	Tan high-temperature fluoropolymer
Shield 2	36 AWG silver-plated copper braid
Outer Jacket	Clear high-temperature fluoropolymer

Skydrol is a protected trademark of the Eastman Chemical Company.