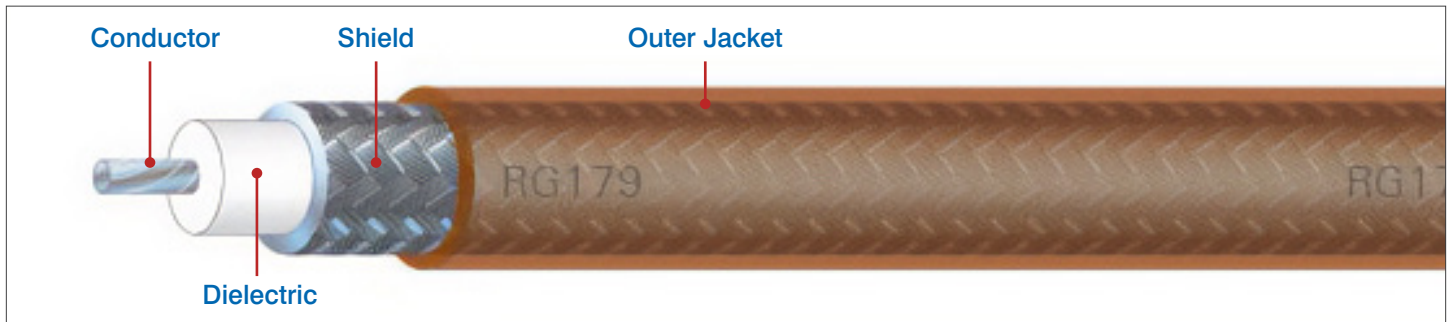


## ECS Avionics RF Cable

P/N 3C179B1 | 75 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 9	N/A
ARINC 600 Size 5	N/A
ARINC 600 Size 8	N/A
BNC 90°	413588-8
BNC Bulkhead	221221-5
BNC Straight	413589-8
D-Sub #8 Pin	N/A
D-Sub #8 Socket	N/A
F 90°	73356-0230
F Straight	N/A
SMA 90°	CSR179
TNC Straight	UPL240-004
Trompeter Triax Plug	N/A

### PHYSICAL CHARACTERISTICS (NOMINAL)

Outer Diameter	0.1"
Minimum Bend Radius	0.5"
Weight	1.0 lb/100 ft
Temperature Range	-55 to 200 °C
Skydrol™ Resistant	Yes

### ELECTRICAL CHARACTERISTICS (NOMINAL)

Impedance	75 Ω	
Capacitance	19.5 pF/ft	
DC Resistance	234 Ω/1,000 ft	
Time Delay	1.46 ns/ft	
Attenuation	@ 400 MHz	16.5 dB/100 ft
	@ 1,000 MHz	26.5 dB/100 ft

### CONSTRUCTION DETAILS

Conductor	Silver-plated copper-clad steel
Dielectric	High-temperature fluoropolymer
Shield	39 AWG silver-plated copper braid
Outer Jacket	Brown high-temperature fluoropolymer

Skydrol is a protected trademark of the Eastman Chemical Company.