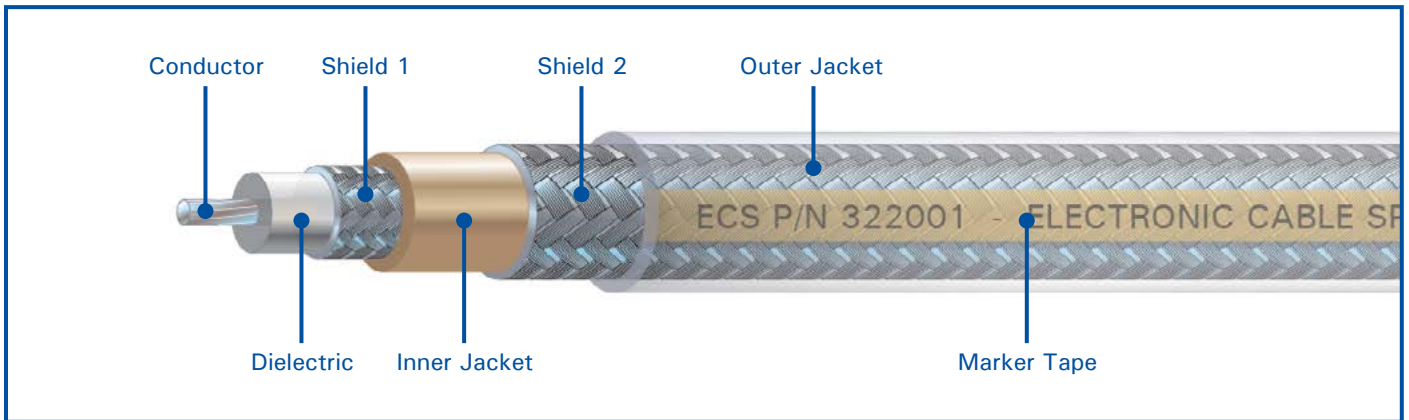


# 50 Ohm Triaxial Cable

## P/N 322001



### 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

### PHYSICAL CHARACTERISTICS

- Outer Diameter:** 0.236 in. nominal
- Bend Radius:** 1.2 in. nominal
- Weight:** 5.7 lbs/100 ft. nominal
- Temperature Range:** -55° to +200°C
- Skydrol Resistant:** Yes

### ENVIRONMENTAL DETAILS

- » ECS avionics cables are 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).
- » They are manufactured with materials which, when subjected to flames or high temperatures, will not outgas deadly hydrogen chloride produced by conventional PVC cables.

### ELECTRICAL CHARACTERISTICS

- Impedance:** 50.0 Ohms nominal
- Capacitance:** 29.5 pF/ft. nominal
- DC Resistance:** 8.7 Ohms/1000 ft. nominal
- Time Delay:** 1.46 ns/ft. nominal
- Velocity of Propagation:** 69.5% nominal
- Shield Effectiveness:** > 80 dB
- Attenuation:** 5.1 dB/100 ft. @ 150 MHz (nominal)
- 14.4 dB/100 ft. @ 1000 MHz
- 18.7 dB/100 ft. @ 1600 MHz
- 23.4 dB/100 ft. @ 2400 MHz
- 36.1 dB/100 ft. @ 5000 MHz

### CONNECTOR TYPES FOR CABLE 322001

Connector Type	Connector P/N
Triaxial Panel Mount	34-30-2
TRB 2 Stud Bulkhead	BJ79TL-7
TRB 2 Lug 90°	GBR3021
TRB 2 Lug Straight	GBS3021
TRB 3 Lug Straight	GYS3021

Connector Type	Connector P/N
TRB 3 Stud	3/9/95
	EBS3021
	PL75-7
	PL75C-306

Connector Type	Connector P/N
TRB 3 Lug Bulkhead	BJ79-7
	BJ9C-306
	BYS3021

