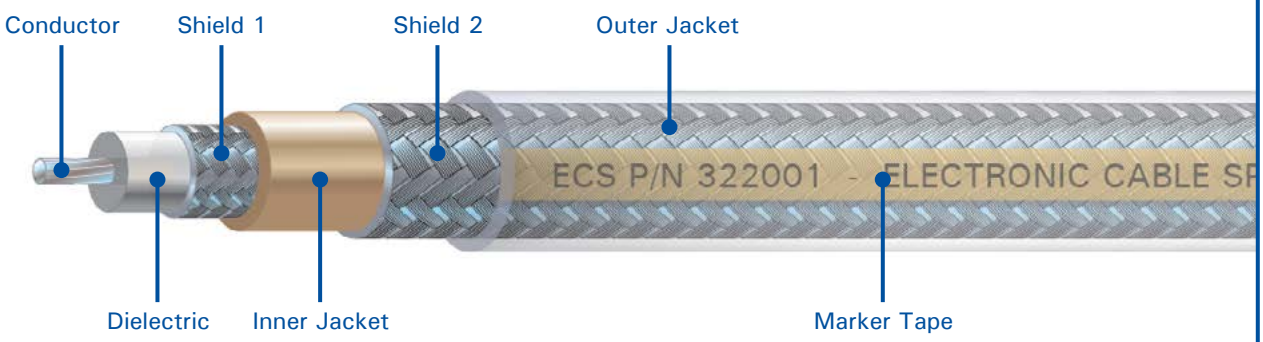
50 Ohm Triaxial Cable
P/N 322001



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	GYS30201

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

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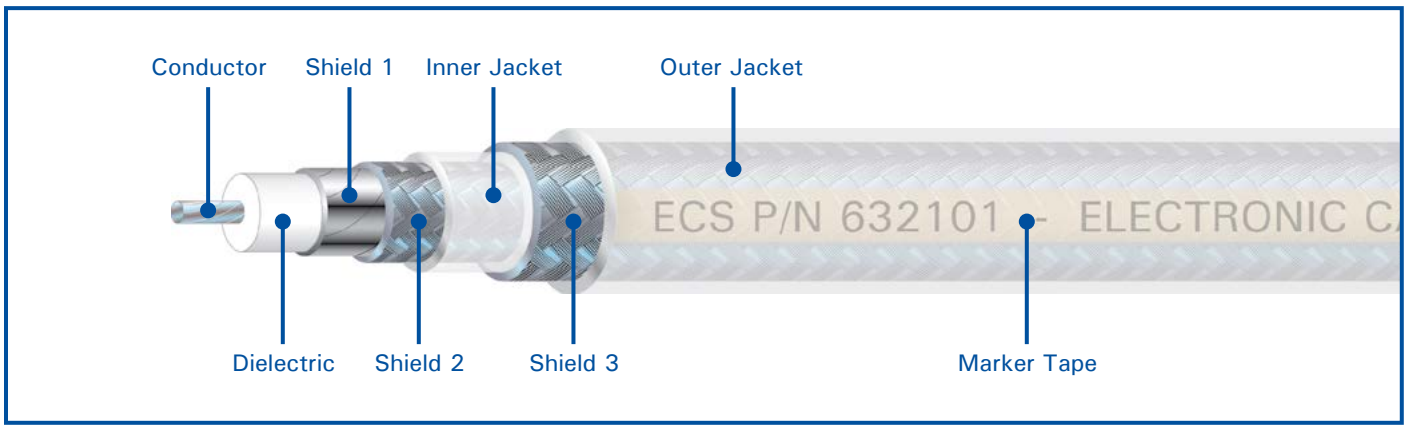
Rev. 092414-DIG

50 Ohm Triaxial Cable
P/N 632101



CONSTRUCTION DETAILS

Conductor: 20 AWG stranded silver-plated copper
Dielectric: High temperature fluoropolymer
Shield 1: Aluminum tape
Shield 2: Tin-plated copper braid
Inner Jacket: White high temperature fluoropolymer
Shield 2: Tin-plated copper braid
Outer Jacket: White high temperature fluoropolymer (Laser Markable)

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.

PHYSICAL CHARACTERISTICS

Outer Diameter: 0.171 in. nominal
Bend Radius: 0.855 in. nominal
Weight: 2.9 lbs/100 ft. nominal
Temperature Range: -55° to +200°C
Skydrol Resistant: Yes

ELECTRICAL CHARACTERISTICS

Impedance: 50.0 Ohms nominal
Capacitance: 26.0 pF/ft. nominal
DC Resistance: 9.6 Ohms/1000 ft. nominal
Time Delay: 1.34 ns/ft. nominal
Velocity of Propagation: 76% nominal
Shield Effectiveness: >90 dB
Attenuation: 5.3 dB/100 ft. @ 150 MHz
(nominal) 14.3 dB/100 ft. @ 1000 MHz
17.8 dB/100 ft. @ 1600 MHz
21.4 dB/100 ft. @ 2400 MHz
33.4 dB/100 ft. @ 5000 MHz

CONNECTOR TYPES FOR CABLE 632101

Connector Type	Connector P/N
BNC Straight	N/A
BNC 90°	N/A
BNC Bulkhead	N/A
TNC Straight	N/A
SMA 90°	N/A

Connector Type	Connector P/N
F Straight	N/A
F 90°	N/A
ARINC 600 Size 5	N/A
ARINC 600 Size 8	N/A

Connector Type	Connector P/N
ARINC 404 Size 9	N/A
D-SUB #8 Socket	N/A
D-SUB #8 Pin	N/A
TRB Triax Plug	PL75-60

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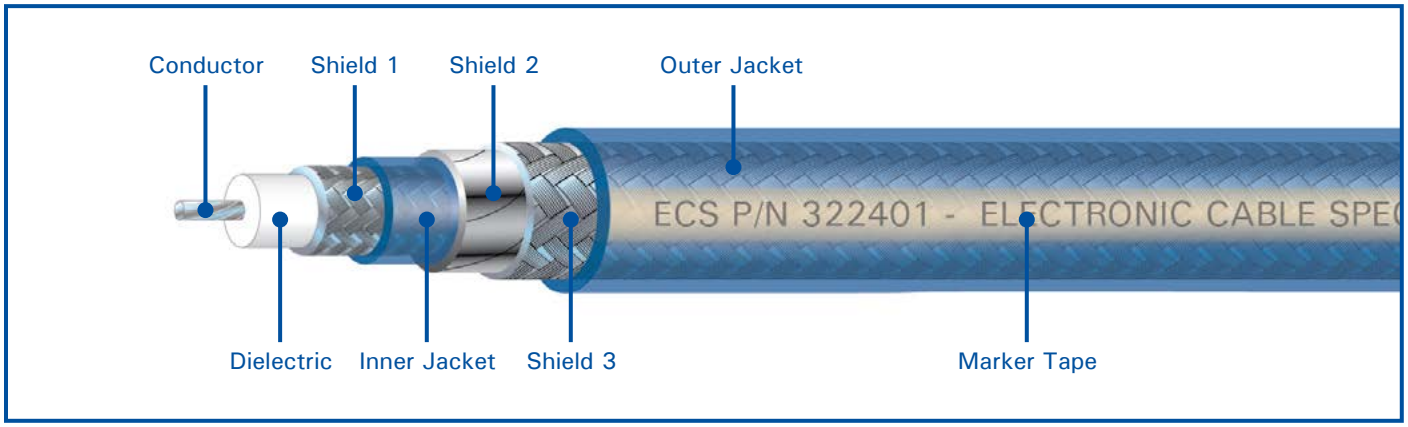
Rev. 092414-DIG

75 Ohm Triaxial Cable
P/N 322401



CONSTRUCTION DETAILS

Conductor: 24 AWG stranded 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

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.

PHYSICAL CHARACTERISTICS

Outer Diameter: 0.246 in. nominal
Bend Radius: 1.0 in. nominal
Weight: 5.8 lbs/100 ft. nominal
Temperature Range: -55° to +200°C
Skydrol Resistant: Yes

ELECTRICAL CHARACTERISTICS

Impedance: 75.0 Ohms nominal
Capacitance: 20.4 pF/ft. nominal
Time Delay: 1.46 ns/ft. nominal
Velocity of Propagation: 69.5% nominal
Shield Effectiveness: >90 dB
Attenuation: 0.72 dB/100 ft. @ 1 MHz
(nominal) 1.14 dB/100 ft. @ 10 MHz
3.15 dB/100 ft. @ 100 MHz
7.19 dB/100 ft. @ 400 MHz
13.91 dB/100 ft. @ 1000 MHz

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Rev. 092414-DIG

75 Ohm Triaxial Cable
P/N 612301

CONSTRUCTION DETAILS

Conductor: 23 AWG stranded tin-plated copper
Dielectric: High temperature fluoropolymer
Shield 1: Aluminum tape
Inner Jacket: White high temperature fluoropolymer
Shield 2: Tin-plated copper braid
Outer Jacket: White high temperature fluoropolymer (Laser Markable)

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.

PHYSICAL CHARACTERISTICS

Outer Diameter: 0.20 in. nominal
Bend Radius: 1.0 in. nominal
Weight: 3.7 lbs/100 ft. nominal
Temperature Range: -55° to +150°C
Skydrol Resistant: Yes

ELECTRICAL CHARACTERISTICS

Impedance: 75.0 Ohms nominal
Capacitance: 20.0 pF/ft. nominal
DC Resistance: 23.7 Ohms/1000 ft. nominal
Time Delay: 1.28 ns/ft. nominal
Velocity of Propagation: 82% nominal
Shield Effectiveness: >90 dB
Attenuation: 1.2 dB/100 ft. @ 10 MHz
(nominal) 3.0 dB/100 ft. @ 100 MHz
8.3 dB/100 ft. @ 400 MHz
20.0 dB/100 ft. @ 1450 MHz

CONNECTOR TYPES FOR CABLE 612301

Connector Type	Connector P/N
BNC Straight	N/A
BNC 90°	N/A
BNC Bulkhead	N/A
TNC Straight	N/A
SMA 90°	N/A

Connector Type	Connector P/N
F Straight	N/A
F 90°	N/A
ARINC 600 Size 5	N/A
ARINC 600 Size 8	N/A

Connector Type	Connector P/N
ARINC 404 Size 9	N/A
D-SUB #8 Socket	N/A
D-SUB #8 Pin	N/A
TRB Triax Plug	305-1353-1

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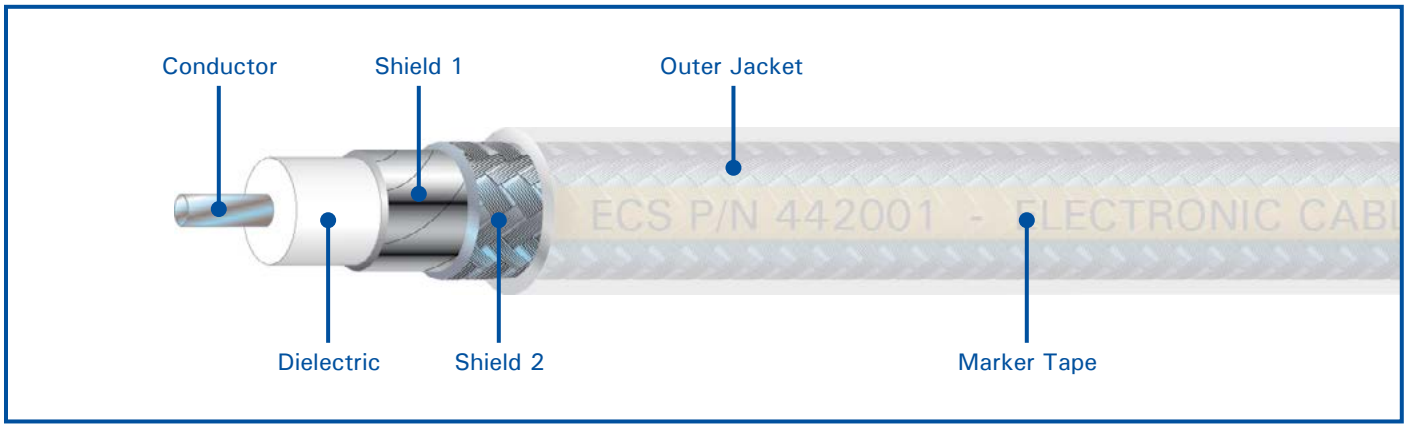
Rev. 092414-DIG

75 Ohm Coaxial Cable
P/N 442001



CONSTRUCTION DETAILS

Conductor: 20 AWG silver-plated copper
Dielectric: High temperature fluoropolymer
Shield 1: Aluminum/Polyester foil
Shield 2: 38 AWG tin-plated copper braid
Jacket: White high temperature fluoropolymer (Laser Markable)

PHYSICAL CHARACTERISTICS

Outer Diameter: 0.200 in. nominal
Bend Radius: 1.0 in. nominal
Weight: 2.5 lbs/100 ft. nominal
Temperature Range: -55° to +85°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: 75.0 Ohms nominal
Capacitance: 18.5 pF/ft. nominal
DC Resistance: 37.3 Ohms/1000 ft. nominal
Time Delay: 1.40 ns/ft. nominal
Velocity of Propagation: 73% nominal
Shield Effectiveness: >80 dB
Attenuation: 1.6 dB/100 ft. @ 10 MHz
(nominal) 2.7 dB/100 ft. @ 100 MHz
5.5 dB/100 ft. @ 400 MHz
10.4 dB/100 ft. @ 1450 MHz
16.5 dB/100 ft. @ 3000 MHz

CONNECTOR TYPES FOR CABLE 442001

Connector Type	Connector P/N
Mini BNC Straight	CMBS402
Mini BNC 90°	CMBR402
Mini BNC Bulkhead Jack	BMBS402
TNC Straight	N/A
SMA 90°	N/A

Connector Type	Connector P/N
F Straight	N/A
F 90°	N/A
ARINC 600 Size 5	N/A
ARINC 600 Size 8	N/A

Connector Type	Connector P/N
ARINC 404 Size 9	N/A
D-SUB #8 Socket	N/A
D-SUB #8 Pin	N/A
TRB Triax Plug	N/A

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Rev. 092414-DIG

75 Ohm Coaxial Cable
P/N 412301-75

CONSTRUCTION DETAILS

Conductor: 23 AWG tin-plated copper
Dielectric: High temperature fluoropolymer
Shield 1: Aluminum/Polyester foil
Shield 2: 36 AWG tin-plated copper braid
Jacket: White high temperature fluoropolymer (Laser Markable)

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.

PHYSICAL CHARACTERISTICS

Outer Diameter: 0.150 in. nominal
Bend Radius: 0.75 in. nominal
Weight: 1.8 lbs/100 ft. nominal
Temperature Range: -55° to +150°C
Skydrol Resistant: Yes

ELECTRICAL CHARACTERISTICS

Impedance: 75.0 Ohms nominal
Capacitance: 20.0 pF/ft. maximum
DC Resistance: 23.7 Ohms/1000 ft. nominal
Time Delay: 1.28 ns/ft. nominal
Velocity of Propagation: 82% nominal
Shield Effectiveness: >80 dB
Attenuation: (nominal) 1.2 dB/100 ft. @ 10 MHz
3.0 dB/100 ft. @ 100 MHz
8.3 dB/100 ft. @ 400 MHz
20.0 dB/100 ft. @ 1450 MHz

CONNECTOR TYPES FOR CABLE 412301-75

Connector Type	Connector P/N
BNC Straight	UPL220-009
BNC 90°	UPLR220-009
BNC Bulkhead	UBJ220-009
TNC Straight	UPL240-009
SMA 90°	N/A

Connector Type	Connector P/N
F Straight	PL130SC-009
F 90°	N/A
ARINC 600 Size 5	N/A
ARINC 600 Size 8	N/A

Connector Type	Connector P/N
ARINC 404 Size 9	N/A
D-SUB #8 Socket	CDS882
D-SUB #8 Pin	CDP882
TRB Triax Plug	N/A

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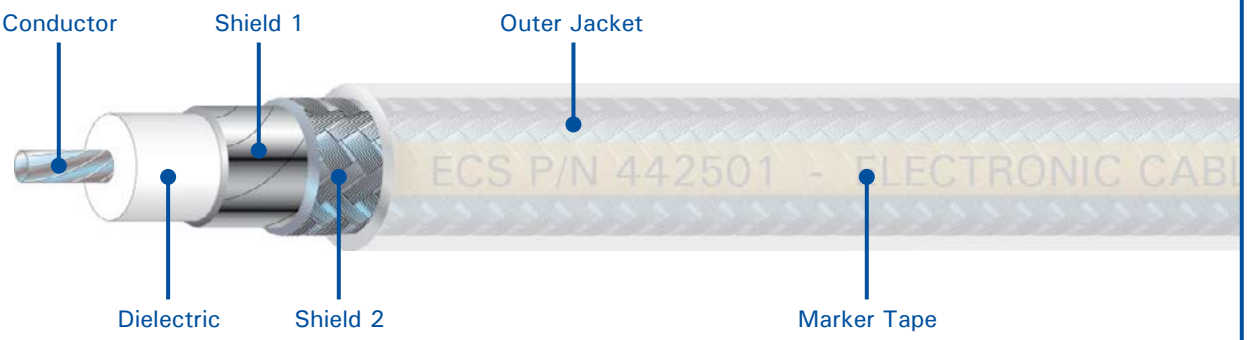
75 Ohm Coaxial Cable
P/N 442501



CONSTRUCTION DETAILS

Conductor: 26 AWG stranded silver-plated copper
Dielectric: High temperature fluoropolymer
Shield 1: Aluminum/Polyester foil
Shield 2: 38 AWG tin-plated copper braid
Jacket: White high temperature fluoropolymer (Laser Markable)

PHYSICAL CHARACTERISTICS

Outer Diameter: 0.130 in. nominal
Bend Radius: 0.61 in. nominal
Weight: 1.25 lbs/100 ft. nominal
Temperature Range: -55° to +150°C
Skydrol Resistant: Yes

ENVIRONMENTAL DETAILS

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» 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: 75.0 Ohms nominal
Capacitance: 16.0 pF/ft. nominal
DC Resistance: 37.3 Ohms/1000 ft. nominal
Time Delay: 1.25 ns/ft. nominal
Velocity of Propagation: 76% nominal
Shield Effectiveness: >80 dB
Attenuation: 1.8 dB/100 ft. @ 10 MHz
(nominal) 5.2 dB/100 ft. @ 100 MHz
17.8 dB/100 ft. @ 950 MHz
22.7 dB/100 ft. @ 1450 MHz
28.7 dB/100 ft. @ 2150 MHz

CONNECTOR TYPES FOR CABLE 442501

Connector Type	Connector P/N
BNC Straight	CBS442
BNC 90°	CBR442
BNC Bulkhead	BBS442
TNC Straight	N/A
SMA 90°	N/A

Connector Type	Connector P/N
F Straight	PL130SC-026
F 90°	N/A
ARINC 600 Size 5	CAS452
ARINC 600 Size 8	CAS482

Connector Type	Connector P/N
ARINC 404 Size 9	N/A
D-SUB #8 Socket	N/A
D-SUB #8 Pin	N/A
TRB Triax Plug	N/A

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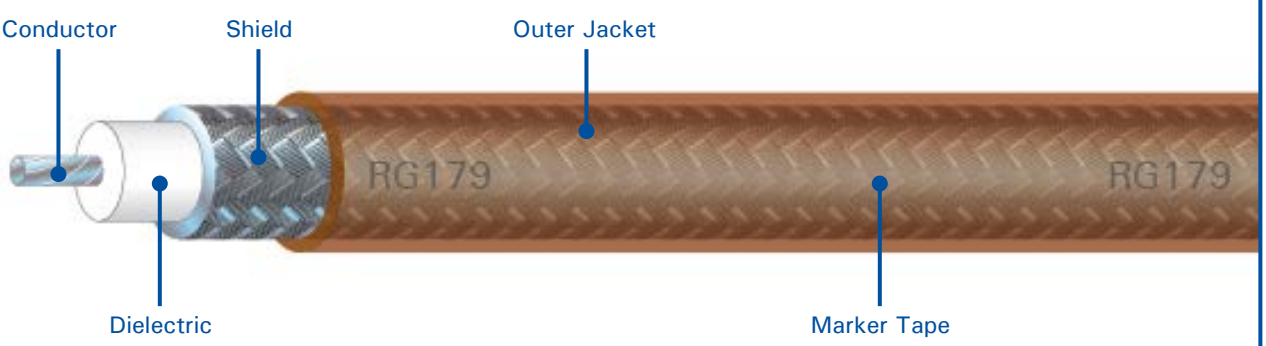
75 Ohm Coaxial Cable

P/N 3C179B1



CONSTRUCTION DETAILS

Conductor: 30 AWG stranded silver-plated copper clad steel
Dielectric: High temperature fluoropolymer
Shield 1: 38 AWG silver-plated copper braid
Jacket: Brown high temperature fluoropolymer

PHYSICAL CHARACTERISTICS

Outer Diameter: 0.1 in. nominal
Bend Radius: 0.5 in. nominal
Weight: 1.0 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: 75.0 Ohms nominal
Capacitance: 19.5 pF/ft. nominal
DC Resistance: 234.0 Ohms/1000 ft. nominal
Time Delay: 1.46 ns/ft. nominal
Velocity of Propagation: 69.5% nominal
Shield Effectiveness: >50 dB
Attenuation: 8.1 dB/100 ft. @ 100 MHz
(nominal) 16.5 dB/100 ft. @ 400 MHz
26.5 dB/100 ft. @ 1000 MHz

CONNECTOR TYPES FOR CABLE 3C179B1

Connector Type	Connector P/N
BNC Straight	413589-8
BNC 90°	4133588-8
BNC Bulkhead	221221-5
TNC Straight	UPL240-004
SMA 90°	CSR179

Connector Type	Connector P/N
F Straight	N/A
F 90°	73356-0230
ARINC 600 Size 5	N/A
ARINC 600 Size 8	N/A

Connector Type	Connector P/N
ARINC 404 Size 9	N/A
D-SUB #8 Socket	N/A
D-SUB #8 Pin	N/A
TRB Triax Plug	N/A

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