

DS-3/4 Cables

Catalog # 1725A Non-Plenum
 NEC/CEC: CMR (ETL) c(ETL)



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CONSTRUCTION for 1725A:

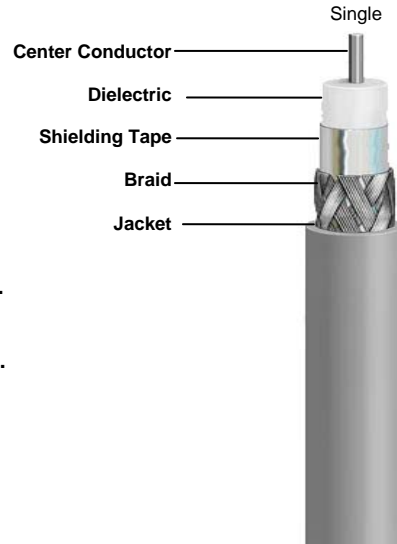
CENTER CONDUCTOR: 16 AWG Silver Plated Solid Copper
 Conductor Diameter: 0.0508" +/- 0.0003" (1.291 +/- .08mm)

DIELECTRIC: Foamed Polyethylene (FPE)
 Diameter Over Dielectric: 0.225" (5.72 mm) Nom.
 Wall Thickness: 0.087" (2.21 mm) Nom.

SHIELD: Foil: Aluminum/Poly Tape (Bonded)
 100% Coverage
 Diameter Over Foil: 0.233" +/- 0.003" (5.92 +/- .08 mm) Nom.
Braid: 36 AWG Tinned Copper
 95% Coverage Minimum
 Diameter Over Braid: 0.257" +/- 0.003" (6.53 +/- .08 mm) Nom.

JACKET: Gray Polyvinylchloride (PVC)
 Diameter Over Jacket: 0.320" +/- 0.005" (8.13 +/- .13 mm)
 Coax Jacket Thickness: 0.030" (.76 mm) Nom.

OVERALL JACKET: N/A



Part Number	# Conductors	Jkt Wall Thk Nom. in. (mm)	Cable Nom OD in. (mm)
1725A	1	.030 (.76)	.320 (8.13)

*Sequential Footage Marks are printed on the outer jacket every two feet.
 For Multi-unit cables, each coaxial cable is sequentially numbered (i.e. 1 ONE 1 ONE)

ELECTRICAL PROPERTIES:

SPARKER TEST: 4000 VAC
DIELECTRIC STRENGTH: Conductor to Shield: 5 Sec. @ 10000 VDC
 Shield to Shield:
CAPACITANCE: 16.0 pF/ft. (54.8 pF/m) Nom.
IMPEDANCE: 75.0 +/- 2.0 Ohms (5 - 150 MHz)
VELOCITY OF PROPAGATION: 82% Nom.
DCR:
 Conductor: 4.1 Ohms/1000 ft. (13.5 Ohms/ km) Max
SRL: 32 dB Min. (5 - 90 MHz) 100% Swept Tested
 26 dB Min. (90 - 150 MHz) 100% Swept Tested

MECHANICAL PROPERTIES:

RECOMMENDED MINIMUM BEND RADIUS:
 Installation (Under Load): 20 times cable OD
 Fixed (Unloaded): 10 times cable OD

ENVIRONMENTAL PROPERTIES:

JACKET TEMPERATURE RATING: 75°C

ATTENUATION:

dB/100 Ft. (Max)	@ Frequency MHz
0.17 dB	1 MHz
0.37 dB	5 MHz
0.52 dB	10 MHz
0.78 dB	22.5 MHz
1.17 dB	50 MHz
1.65 dB	100 MHz
2.03 dB	150 MHz

