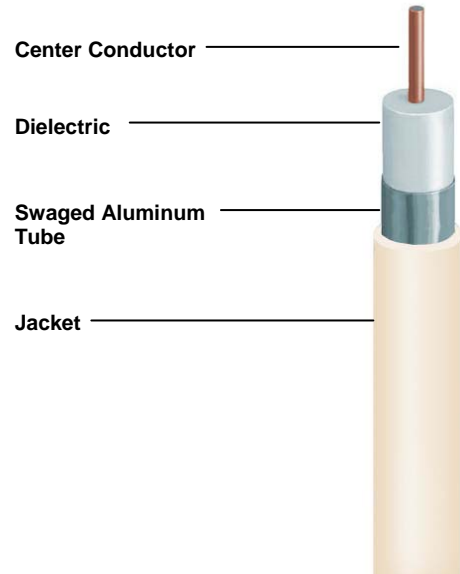


PIII[®] 500 JCAP 1/2" Plenum Trunk & Distribution 75 Ohm Coaxial Cable Catalog # 2312K Plenum: Type CMP(ETL)

CONSTRUCTION:

- CENTER CONDUCTOR:**
0.109" Copper-Clad Aluminum (2.77 mm)
- DIELECTRIC:**
Foamed Fluorinated Ethylene Propylene (FFEP)
Diameter Over Dielectric: 0.452" Nom. (11.48 mm)
- SHIELD:**
Swaged Aluminum Tube
100% Coverage
Nom. Diameter 0.500" (12.70 mm)
Nom. Thickness 0.024" (0.64 mm)
- JACKET:**
Kynar PVDF Jacket
Nom. Diameter over Jacket: 0.524" (13.31 mm)
Nom. Jacket Thickness: 0.012" (0.30 mm)



ELECTRICAL PROPERTIES:

- SPARKER TEST:** 1000 VAC
- DIELECTRIC STRENGTH:** Conductor to Shield: 6500 VDC
- CAPACITANCE:** 16.0 pF./Ft. Nom. (52.5 pF/m)
- IMPEDANCE:** 75.0 +/- 2.0 Ohms
- VELOCITY OF PROPAGATION:** 86.0% Nom.
- DCR:**
 - Conductor: 1.42 Ohms/1000 Ft. (4.7 Ohms/km) Nom.
 - Shield: 0.37 Ohms/1000 Ft. (1.2 Ohms/km) Nom.
 - Loop: 1.79 Ohms/1000 Ft. (5.9 Ohms/km) Nom.
- SRL:**
 - 24dB (5 thru 450 MHz) 100% Swept Tested
 - 20dB (450 thru 1000 MHz) 100% Swept Tested

MECHANICAL PROPERTIES:

- MINIMUM BEND RADIUS:**
8 inches (20.32 cm)
- MAXIMUM PULLING TENSION:**
300 lbs (136 kg)
- CABLE TEMP. RATING:**
Temp: 125°C

ATTENUATION:

@ Frequency MHz	Nom. dB/100 Ft. (dB/100m)	Max dB/100 Ft. (dB/100m)
5 MHz	0.17 (0.56)	0.19 (0.62)
10 MHz	0.23 (0.75)	0.26 (0.85)
50 MHz	0.56 (1.84)	0.61 (2.00)
100 MHz	0.83 (2.72)	0.91 (2.98)
200 MHz	1.25 (4.10)	1.37 (4.49)
400 MHz	1.97 (6.46)	2.17 (7.12)
700 MHz	2.92 (9.58)	3.21 (10.53)
900 MHz	3.47 (11.38)	3.72 (12.20)
1000 MHz	3.78 (12.40)	4.16 (13.64)