

# AMC-71 ProLite™ 125 Ohm Coaxial Cable

## CABLE CONSTRUCTION:

**CENTER CONDUCTOR:**  
27 AWG Copper Steel (40% Conductivity)  
Nom. Dia. 0.0142 +/- 0.00015"

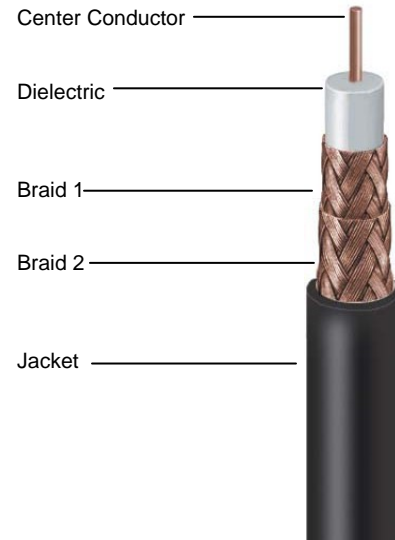
**DIELECTRIC:**  
Foam Polyethylene  
Nom. Dia. 0.146 +/- 0.005"

**BRAID 1:**  
Braid: 34 AWG Copper Clad Aluminum  
93% Coverage  
Nom. Dia. 0.171"

**BRAID 2:**  
Braid: 34 AWG Copper Clad Aluminum  
87% Coverage  
Nom. Dia. 0.205"

**TOTAL COVERAGE:**  
> 95%

**JACKET:**  
PVC\*  
Dia. over Jacket: 0.245" +/- 0.005"  
Nominal Jacket Thickness: 0.020"



## ELECTRICAL PROPERTIES:

SPARKER TEST:	2000 VAC
DIELECTRIC STRENGTH:	Conductor to Shield: 2500 VDC
CAPACITANCE:	9.5 pF./Ft Nom
IMPEDANCE:	125.0 +/- 10.0 Ohms
VELOCITY OF PROPAGATION:	86.0%
DCR: Conductor:	131 Ohms/1000 Ft. Nom.
Shield:	2.1 Ohms/1000 Ft. Nom.

## MECHANICAL PROPERTIES:

**MINIMUM BEND RADIUS:**  
Loaded: 20 Times Cable OD  
Unloaded: 10 Times Cable OD

## ATTENUATION:

dB/100 FT. (MAX.)	@ FREQUENCY MHz
2.50 dB	50 MHz
3.75 dB	100 MHz