

## RG-6/GND 3000-MHz 75 Ohm Coaxial Cable Part # V66GW Non-Plenum: CM(ETL) C(ETL)

### \*Specification for EchoStar

1 of 1

#### CABLE CONSTRUCTION:

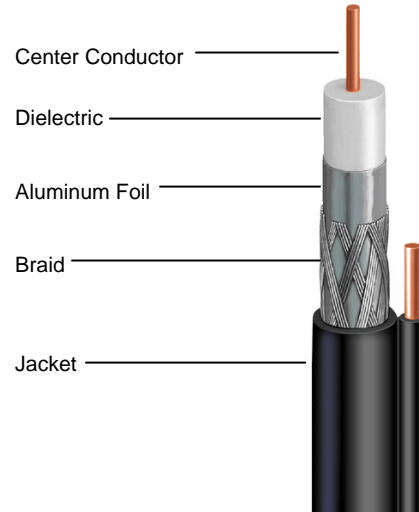
**CENTER CONDUCTOR:**  
18 AWG Copper/Steel  
Diameter over Conductor: 0.0403 +/- .0004"

**DIELECTRIC:**  
Foam Polyethylene  
Diameter over Dielectric: 0.180 +/- .004"

**SHIELD:**  
Foil: Bonded Aluminum/Poly/Aluminum Tape  
Braid: 34 AWG Aluminum  
Coverage: 59% Minimum  
Diameter over Braid: 0.212 +/- .006"

**GROUND:**  
17 AWG CU/Steel  
Diameter over Ground: 0.0453 +/- .0004"

**JACKET:**  
FR-PVC  
Diameter over Jacket (Coax): 0.270 +/- 0.006"  
Diameter over Jacket (Ground): 0.086 +/- 0.010"  
Overall Width: 0.386 +/- .030"



#### ELECTRICAL PROPERTIES:

**SPARKER TEST:** 4000 VAC

**DIELECTRIC STRENGTH:** Conductor to Shield: 2500 VDC

**CAPACITANCE:** 16.0 +/- 0.4 pF/FT.

**IMPEDANCE:** 75.0 +/- 3.0 Ohms

**VELOCITY OF PROPAGATION:** 82 +/- 2%

**DCR:** Conductor: 29.5 Ohms/1000 Ft. Max  
Shield: 10.5 Ohms/1000 Ft. Max  
Loop: 40.0 Ohms/1000 Ft. Max

**SRL:** 100% Swept Tested

#### MECHANICAL PROPERTIES:

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

**CABLE TEMP. RATING:**  
Operating Temp: -40°C to 75°C

#### ATTENUATION:

@ FREQUENCY MHz	dB/100 FT. (MAX.)	@ FREQUENCY MHz	dB/100 FT. (MAX.)
5 MHz	0.58 dB	750 MHz	5.65 dB
55 MHz	1.60 dB	1000 MHz	6.55 dB
211 MHz	3.05 dB	1200 MHz	7.23 dB
250 MHz	3.30 dB	1450 MHz	7.93 dB
300 MHz	3.55 dB	1800 MHz	8.82 dB
400 MHz	4.15 dB	2200 MHz	9.73 dB
500 MHz	4.66 dB	2250 MHz	9.84 dB
600 MHz	5.10 dB	3000 MHz	11.32 dB