

RG-6

High Frequency DBS Cable

75 Ohm Coaxial Cable

Part# **STL621**

SCTE 74 2003

Non-Plenum: (UL) CM/CL2/CATV

3411 Integrity Drive

Suite 200

Garner, NC 27529

866-882-8377

www.SunTechLabs.com

CABLE CONSTRUCTION:

- CENTER CONDUCTOR:
 - 18 AWG SOLID COPPER COVERED STEEL (CCS)
 - NOMINAL DIAMETER: 0.040"
- DIELECTRIC:
 - FOAM POLYETHYLENE
 - DIAMETER OVER DIELECTRIC: 0.180"
- SHIELD:
 - FOIL: ALUMINUM LAMINATED TAPE
 - BRAID: 34 AWG ALUMINUM
 - NOMINAL 60% COVERAGE
 - NOMINAL DIAMETER: 0.187"
- JACKET:
 - PVC
 - DIAMETER OVER JACKET: 0.272"
 - NOMINAL JACKET THICKNESS: 0.030"



ELECTRICAL PROPERTIES:

- NOMINAL IMPEDANCE: 75 ± 3 Ohms
- NOMINAL VELOCITY OF PROPAGATION 85%
- RETURN LOSS: 5-3000 MHz ≥20
- DC RESISTANCE FOR INNER CONDUCTOR: ≤28.5 Ohms/1000ft
- DC RESISTANCE FOR SHIELD: ≤12.65 Ohms/1000ft

MECHANICAL PROPERTIES:

- OPERATING TEMP RANGE: -40°C TO +80°C
- COLD BEND WITHSTAND TEMP: -40°C
- TENSILE STRENGTH: ≥2000 PSI
- ELONGATION AT BREAK: ≥250%
- MECHANICAL BREAKING 180 LBS
- UV STABILIZED



MAX dB/100 FT	@FREQUENCY MHz
.58	5
3.05	250
4.31	500
6.30	1000
9.42	2000
10.18	2500
10.64	3000