

RG-6

High Frequency DBS Cable

75 Ohm Coaxial Cable

Part# **STL621**

SCTE 74 2003

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

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: $\geq 250\%$
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