

RG-6 High Frequency DBS Cable

75 Ohm Coaxial Cable

Part# **STL631**

Non-Plenum: (UL) CMR

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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: ≤ 30 Ohms/1000ft
DC RESISTANCE FOR SHIELD: ≤ 12.8 Ohms/1000ft

MECHANICAL PROPERTIES:

OPERATING TEMP RANGE: -20°C TO +80°C
COLD BEND WITHSTAND TEMP: -20°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