

RG-6 QUAD SHIELD

High Frequency DBS Cable

75 Ohm Coaxial Cable

Part# **STL831**

Non-Plenum: (UL) CMR

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:

- (1) FOIL: ALUMINUM LAMINATED TAPE
- (1) BRAID: 34 AWG ALUMINUM
- (1) NOMINAL 60% COVERAGE
- (1) NOMINAL DIAMETER: 0.187"
- (2) FOIL: ALUMINUM LAMINATED TAPE
- (2) BRAID: 34 AWG ALUMINUM
- (2) NOMINAL 40% COVERAGE

JACKET:

PVC
DIAMETER OVER JACKET: 0.300"
NOMINAL JACKET THICKNESS: 0.034"



ELECTRICAL PROPERTIES:

NOMINAL IMPEDANCE: 75 ± 3 Ohms
NOMINAL VELOCITY OF PROPAGATION 85%
RETURN LOSS: 5-3000 MHz ≥ 20
DC RESISTANCE FOR INNER CONDUCTOR: ≤ 27.45 Ohms/1000ft
DC RESISTANCE FOR SHIELD: ≤ 9.05 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
3.30	250
4.66	500
7.52	1000
10.75	2000
11.68	2500
13.15	3000