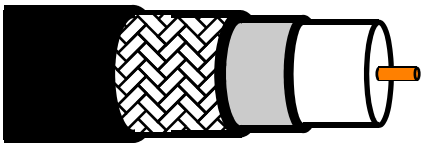
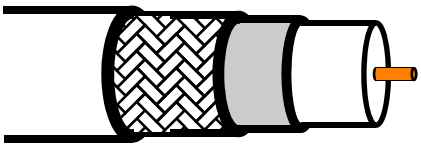
RG6U-RB-*-BC
UL Listed
RG-6 Coaxial Cable
DIRECTV Approved

NORTH AMERICAN CABLE EQUIPMENT, INC.™





Cable Type: **Series 6 Type DBS Coaxial Drop Cable**
Impedance: **75 Ohms**

Center Conductor

Material:	Solid Copper
Joints:	No joints in the finished product
Diameter:	0.0403 Inches (1.02 mm)
Tolerance:	+/- 0.5%
Tensile Strength:	67,000 psi
Elongation:	0.85% minimum
Max. DC resistance:	6.77 Ohms / kft, 22.2 Ohms / km

Dielectric

Material:	Gas injected virgin polyethylene with closed cell structure Bonded to the center conductor Contains stabilization package to meet the requirements of SBCA section 8.1.4 Thermal oxidative stability (TOS)
Diameter:	0.180 Inches (4.57 mm)

First Outer Conductor, Aluminum Foil

Material:	Laminated Shielding Tape (LST). LST is constructed of two aluminum foils laminated to a strength member and a bonding resin on one side.
Dimensions:	0.0032 Inches max., 0.00186 Inches min. 81.28 micron max., 47.24 micron min.
Overlap:	LST Overlaps the dielectric circumference by 18% minimum to 35% maximum
Application:	The LST is applied longitundinally to the dielectric and is free of creases or twists over the entire length.

Core (Center Conductor, Dielectric & LST)

Diameter:	0.188 Inches +/-0.005 (4.75 mm +/-0.13)
Core Ovality:	Maximum core ovality 0.013 Inches (0.33 mm)

Second Outer Conductor, 60% Braid

Material:	Round aluminum wire
Dimensions:	36 AWG (0.0050 +/-0.0003 Inches), (0.127 +/-0.01 mm)
Tensile Strength:	43,000 psi minimum
Elongation:	3%, for individual strands
Braid Coverage:	60%

Email: sales@cabletronix.com ***Web: www.cabletronix.com***

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Jacket

Material:	Polyvinylchloride (PVC), CMX Listed, UL Listed, Black or White UV Stable, 720 Hour sunlight resistance test
Diameter:	0.273 +/-0.008 (6.93 +/-0.203 mm)

Finished Product Test

Cold Bend Test:	-40º F/C
Impact Test:	Cable can withstand impact without damage to the jacket at 5ºF (-15ºC).
Thermal Oxidative Stability:	After 20 minutes minimum aging, 70% of initial value.
Center Cd. Bond To Dielectric:	5 lbs minimum (2.3 kg minimum)
Velocity Of Propagation:	82.5% Measured using SCTE IPST006
Impedance:	75+/-2.5 Ohms Measured using ANSI/SCTE 03
Structural Return Loss:	20 dB (minimum) in frequency range 5-2,250 MHz
Spark Test:	5,000kV
Voltage Test:	The dielectric between the inner conductor and the outer conductor of the cable is able to withstand without breakdown, for one minute, an alternating voltage of 1,000V at a frequency of 60 Hz at room temperature.
Maximum Attenuation:	

Maximum Attenuation @ 68ºF (68ºC)
RG-6 Quad Shield

Frequency (MHz)	Attenuation dB/100 Feet	dB/100 Meters
5	0.57	1.87
55	1.60	5.25
211	2.87	9.43
250	3.12	10.24
270	3.24	10.63
300	3.43	11.25
330	3.61	11.84
350	3.72	12.20
400	4.00	13.12
450	4.28	14.04
500	4.51	14.80
550	4.76	15.62
600	4.98	16.34
750	5.62	18.44
870	6.09	19.99
950	6.50	21.33
1000	6.54	21.46
1450	8.00	26.25
1750	8.74	28.67
2050	9.46	31.04
2250	10.00	32.81

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