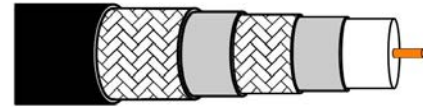


RG6QU Quad Shielded RG-6 Coaxial Cable

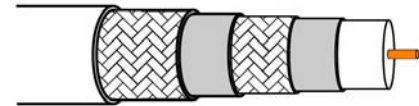


Cable Type: Series 6 Quad Shield
Impedance: 75 Ohms



Center Conductor

Material: Copper covered steel / Copper
Joints: No joints in the finished product
Diameter: 0.0403 Inches (1.02 mm)
Tolerance: +/- 0.5%
Tensile Strength: 127,000 psi (CCS) / 67,000 psi Solid Copper
Elongation: 1.0% (CCS) / 0.85% minimum
Max. DC resistance: 32 Ohms / kft, 105 Ohms / km (CCS) / 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 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 longitudinally 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: 34 AWG (0.0063 +/-0.0003 Inches), (0.160 +/-0.01 mm)
Tensile Strength: 43,000 psi minimum
Elongation: 3%, for individual strands
Braid Coverage: 60%

Third Outer Conductor, Aluminum Foil

Material: Laminated Shielding Tape (LST). LST is constructed of two aluminum foils laminated to a strength member.
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 longitudinally to the dielectric and is free of creases or twists over the entire length.

Fourth Outer Conductor, 40% Braid

Material: Round aluminum wire
Dimensions: 34 AWG (0.0063 +/-0.0003 Inches), (0.160 +/-0.01 mm)
Tensile Strength: 43,000 psi minimum
Elongation: 3%, for individual strands
Braid Coverage: 40%

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RG6QU Quad Shielded RG-6 Coaxial Cable



Fourth Outer Conductor, 40% Braid

Material: Round aluminum wire
 Dimensions: 34 AWG (0.0063 +/-0.0003 Inches), (0.160 +/-0.01 mm)
 Tensile Strength: 43,000 psi minimum
 Elongation: 3%, for individual strands
 Braid Coverage: 40%

Jacket

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

Finished Product Test

Cold Bend Test: -40° F/C
 Impact Test: Cable can withstand impact without damage to the jacket at 5°F (-15°C).
 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%
 Impedance: 75+/-2.5 Ohms
 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 @ 68°F (68°C) 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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