

RG 6U COAXIAL CABLE 75 Ohm BC BRAID 95% COVERAGE



Norden RG 6U type cables are also used in professional video applications, carrying either baseband analog video signals in closed circuit television (CCTV) or serial digital interface (SDI) signals; in these applications, the center conductor is ordinarily solid copper, the shielding is much heavier (95% copper braid), and tolerances are more tightly controlled, to improve impedance stability. RG6 can be used as a branch cable with Standard Transmission distance up to 450m.



CABLE CONSTRUCTION

Conductor

Bare Copper

Insulation Color

Neutral

Outer Jacket

PVC (Polyvinyl Chloride)
LSZH (Low smoke zero halogen)

Insulation

Foam PE (Polyethylene)

Braid Wire

BC Wire

Jacket Color

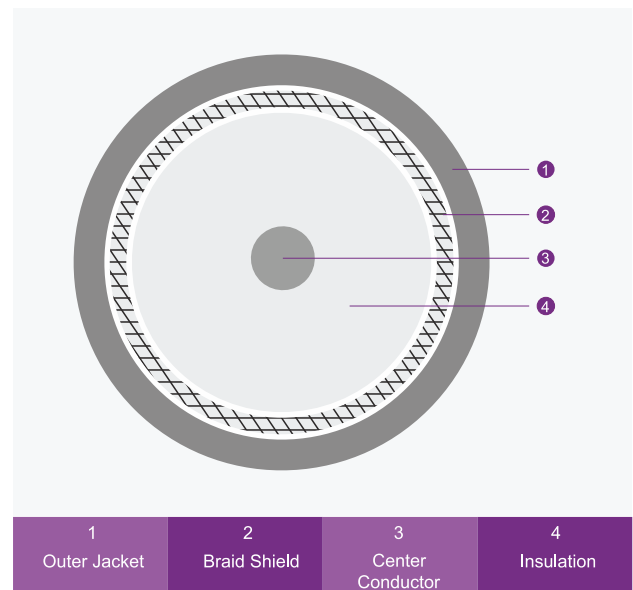
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PHYSICAL CHARACTERISTICS

Characteristic	Value
Center Conductor Diameter	1.02 mm
Insulation Diameter	4.75 mm
Braid Wire Diameter	0.12 mm
No. of Braid Wire	168
Braid Wire Coverage	95%
Outer Jacket Diameter	7.0 mm
Min. Bending Radius (Installation)	22.85 mm
Max. Pulling Tension	510N
Operating Temperature	-20°C to +75°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Characteristic Impedance	Ω	75.0
Capacitance	pF/m	52.0
Center Conductor DCR	Ω /km	<22.0
Braid Wire DCR	Ω /km	<10.0
Velocity of Propagation	%	84
Dielectric Strength	VCA	1000
Jacket Sparker	VCA	2500
Return Loss (5-6000 MHz)	dB	18.0



1 Outer Jacket 2 Braid Shield 3 Center Conductor 4 Insulation

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PERFORMANCE CHARACTERISTICS

Frequency at 20°C (MHz)	Attenuation (10% higher) (dB/100m)
1	1.52
10	2.71
50	5.78
100	7.87
200	10.82
400	15.29
700	20.71
900	23.74
1000	25.05
1200	27.59
1450	30.71
1800	34.56
2200	38.34

RoHS GUIDELINE

Properties	Value
Calcium Content (Cd)	< 0.01%
Lead Content (Pb)	< 0.1%
Mercury Content (Hg)	< 0.1%
Chromium (VI) Content	< 0.1%
Polybrominated Biphenyls (PBB)	Forbidden
Polybrominated Diphenyl Ether (PBDE)	Forbidden

ORDERING INFORMATION

Part Number	Description
475-011B95	RG 6U Coaxial Cable 75 Ohm BC Braid 95% Coverage PVC Jacket
475-011B95H	RG 6U Coaxial Cable 75 Ohm BC Braid 95 % Coverage LSZH Jacket