

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



Norden RG 6U type cables are also used in professional video applications, carrying either baseband analog in closed-circuit television (CCTV) video signals or serial digital interface (SDI), signals; in these applications, the center conductor is ordinarily solid copper, the shielding is much heavier (typically aluminum foil/ 95% Tinned 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

Braid Wire

TC Wire

Jacket Color

Black

Insulation

Foam PE (Polyethylene)

Shielding

Aluminium/Polyester Foil
Bonded

Outer Jacket

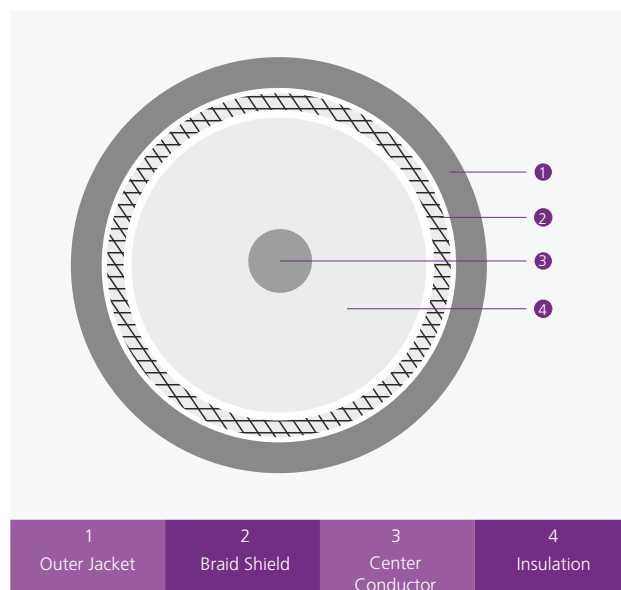
PVC/LSZH

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	6.80 mm
Min. Bending Radius (Installation)	22.85 mm
Max. Pulling Tension	462N
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



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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
475-011T95	RG 6U Coaxial Cable 75 Ohm TC Braid 95% Coverage PVC
475-011T95H	RG 6U Coaxial Cable 75 Ohm TC Braid 95 % Coverage LSZH