RG 59U COAXIAL CABLE 75 Ohm
TC BRAID 95% COVERAGE

Norden RG 59U is used for video transmission in professional video applications, carrying either baseband analog video signals in closed circuit television (CCTV) or serial digital interface (SDI) system using 75 ohm coaxial cables. It can also be used as Analog Video Cable. The center conductor is ordinarily solid copper, the shielding is much heavier (typically aluminium foil/ 95% Tinned copper braid), and tolerances are more tightly controlled, to improve impedance stability.RG59 can be used as a branch cable with Standard Transmission distance up to 300m.

RoHS

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 (Polyvinyl Chloride)

PHYSICAL CHARACTERISTICS

Characteristic	Value
Center Conductor Diameter	0.81 mm
Insulation Diameter	3.71 mm
Braid Wire Diameter	0.12 mm
No. of Braid Wire	144
Braid Wire Coverage	95%
Outer Jacket Diameter	6.15 mm
Min. Bending Radius (Installation)	18.55 mm
Max. Pulling Tension	372N
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	<34
Braid Wire DCR	Ω/km	<13
Velocity of Propagation	%	84
Dielectric Strength	VCA	1000
Jacket Sparker	VCA	2500
Return Loss (5-6000 MHz)	dB	18.0
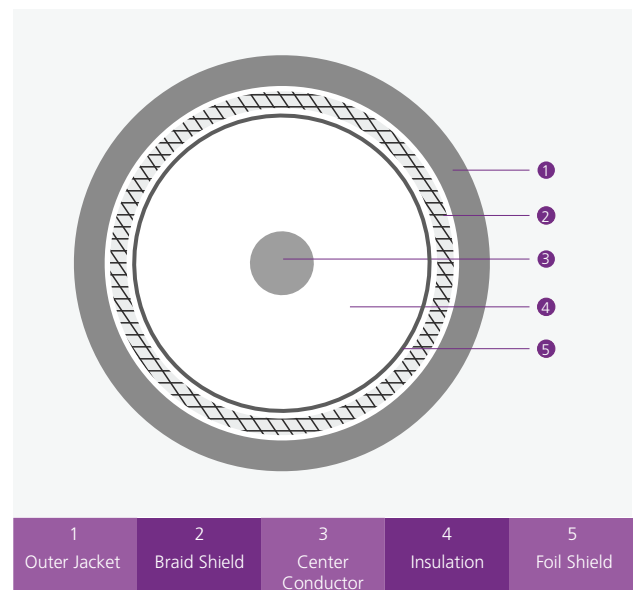
1 Outer Jacket	2 Braid Shield	3 Center Conductor	4 Insulation	5 Foil Shield

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PERFORMANCE CHARACTERISTICS

Frequency at 20°C (MHz)	Attenuation (10% higher) (dB/100m)
1	0.93
10	3.20
100	10.63
400	22.39
700	30.65
900	35.67
1000	37.15

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
475-012T95	RG 59U Coaxial Cable 75 Ohm TC Braid 95% Coverage

Coaxial Cables