

# RG 174/U COAXIAL CABLE 50 Ohm TC BRAID 90 % COVERAGE



Norden RG 174/U coaxial cable specially used in GPS antenna, WLAN antenna & GSM antenna cable .It has a copper coated steel center conductor and braid shield with the high coverage of 90% braid.



## CABLE CONSTRUCTION

### Conductor

Copper Clad Steel

### Insulation Color

Neutral

### Outer Jacket

PVC (Polyvinyl Chloride)

### Insulation

Foam PE (Polyethylene)

### Braid Wire

TC Wire

### Jacket Color

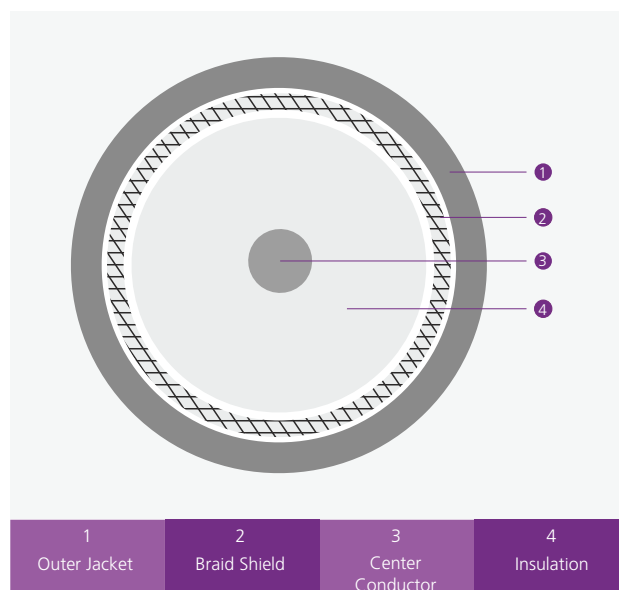
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## PHYSICAL CHARACTERISTICS

Characteristic	Value
Center Conductor Diameter	0.16 mm x 7
Insulation Diameter	1.52 mm
Braid Wire Diameter	0.12 mm
No. of Braid Wire	80
Braid Wire Coverage	90%
Outer Jacket Diameter	2.80 mm
Min. Bending Radius (Installation)	25.4mm
Max. Pulling Tension	78 N
Operating Temperature	-40°C to +85°C

## ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Characteristic Impedance	$\Omega$	50.0
Capacitance	pF/m	101.0
Center Conductor DCR	$\Omega$ /km	<490
Braid Wire DCR	$\Omega$ /km	<33.5
Velocity of Propagation	%	66
Dielectric Strength	VCA	500
Jacket Sparker	VCA	2000
vswr (30-1800 MHz)	dB	<1.8:1



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## PERFORMANCE CHARACTERISTICS

Frequency at 20°C (MHz)	Attenuation (10% higher) (dB/100m)
1	6.20
20	13.83
150	38.18
200	44.17
800	80.00
900	90.00
1000	101.00

## 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)	< 0.1%
Polybrominated Diphenyl Ether (PBDE)	< 0.1%

## ORDERING INFORMATION

Part Number	Description
450-01GS90	RG 174/U Coaxial Cable 50 Ohm TC Braid 90 % Coverage