

RG 59U COAXIAL CABLE 75 Ohm BC BRAID 90% COVERAGE



Norden RG 59/U is used for video transmission in professional video applications, carrying either baseband analog video signals in closed circuit television (CCTV) system or serial digital interface (SDI) using 75 ohm coaxial cables. It can also be used as analog video Cable. The centre conductor is ordinarily solid copper, the shielding is much heavier (95% Bare Copper Braid), and tolerances are more tightly controlled, to improve impedance stability. Flexible PVC Outer Jacket & Stranded Conductor helps the Cable to use in elevators. RG 59 Can be used as a branch cable with Standard Transmission distance up to 300m.



CABLE CONSTRUCTION

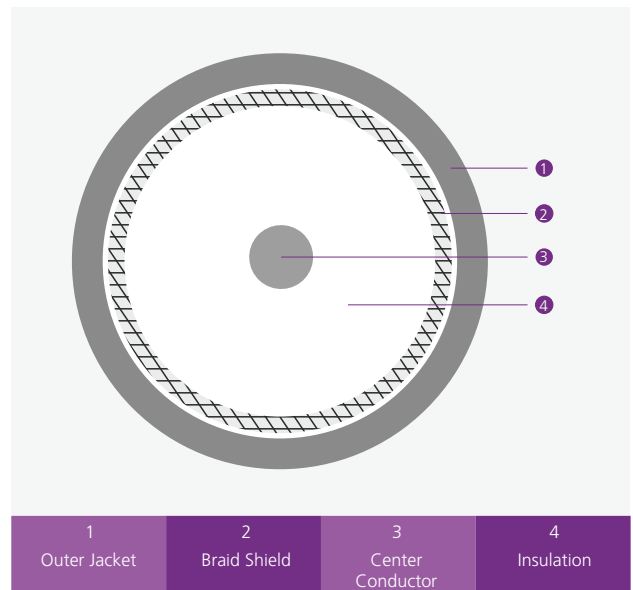
Conductor Bare Copper	Insulation Color Neutral	Outer Jacket PVC (Polyvinyl Chloride)
Insulation Foam PE (Polyethylene)	Braid Wire BC Wire	Jacket Color Black

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	90%
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	<12
Velocity of Propagation	%	84
Dielectric Strength	VCA	1000
Jacket Sparker	VCA	2500
Return Loss (5-6000 MHz)	dB	18.0



RG 59U COAXIAL CABLE 75 Ohm BC BRAID 90% COVERAGE



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
475-012B90	RG 59U Coaxial Cable 75 Ohm BC Braid 90% Coverage