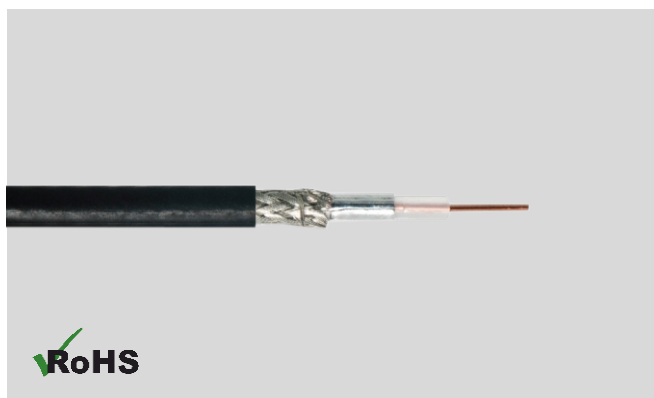


RG 59U COAXIAL CABLE 75 Ohm AL BRAID 60% COVERAGE



Norden RG 59U is used for low-power video and RF signal connections. RG-59 is often used at baseband video frequencies, such as composite video. It may also be used for broadcast frequencies for shorter distances. RG 59 type cables have become the standard for CATV, has a copper-coated steel center conductor and a combination aluminium foil/aluminium braid shield, typically with low coverage about 60%. RG 59 can be used as a branch cable with Standard Transmission distance up to 300m.



CABLE CONSTRUCTION

Conductor

Copper Clad Steel

Insulation Color

Neutral

Braid Wire

AL Wire

Jacket Color

Black

Insulation

Foam PE (Polyethylene)

Shielding

Aluminium/Polyester
Foil Bonded

Outer Jacket

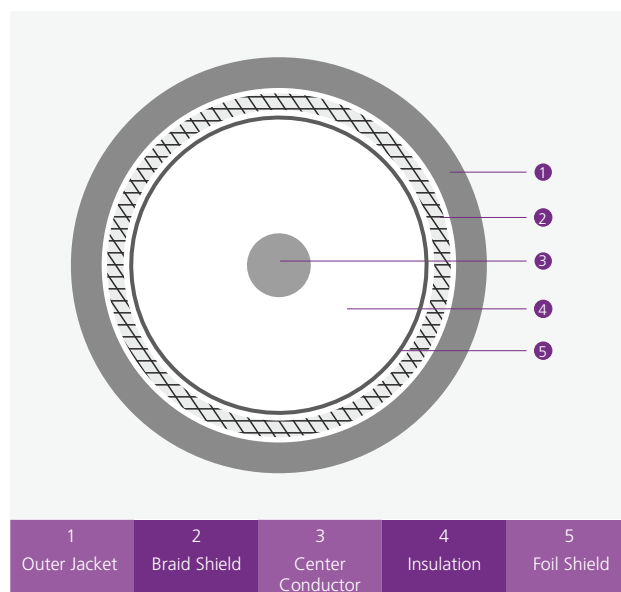
PVC (Polyvinyl Chloride)

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	64
Braid Wire Coverage	60%
Outer Jacket Diameter	6.15 mm
Min. Bending Radius (Installation)	17.5 mm
Max. Pulling Tension	250N
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	<185.5
Braid Wire DCR	Ω /km	<63
Velocity of Propagation	%	84
Dielectric Strength	VCA	1000
Jacket Sparker	VCA	2500
Return Loss (5-6000 MHz)	dB	21.0



Coaxial Cables

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PERFORMANCE CHARACTERISTICS

Frequency at 20°C (MHz)	Attenuation (10% higher) (dB/100m)
1	0.78
10	2.49
50	5.63
100	8.03
200	11.48
400	16.49
700	22.19
900	25.39
1000	26.87
1750	34.81
2150	39.04
2200	39.54
3000	47.11

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
475-012A60	RG 59U Coaxial Cable 75 Ohm AL Braid 60% Coverage