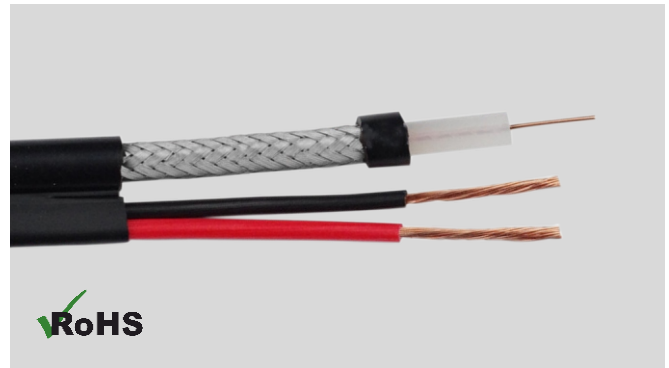


# RG 59U COAXIAL CABLE 75 Ohm WITH 2 CORE POWER - SIAMESE TYPE



Norden RG 59U with 2 Core power is used for video transmission in professional video applications, carrying baseband analog video signals in closed-circuit television (CCTV) using 75 ohm coaxial cables. The centre conductor is copper clad steel, 100% aluminium foil shielding and 75% aluminium wire braid with PVC outer jacket. This cable helps to save labour costs by avoiding the pulling of an extra power cable.



## CABLE CONSTRUCTION

### Conductor

Copper clad steel

### Shielding

100% Aluminum foil

### Outer Jacket

PVC (Polyvinyl Chloride)

### Insulation

Foam PE (Polyethylene)

### Braiding

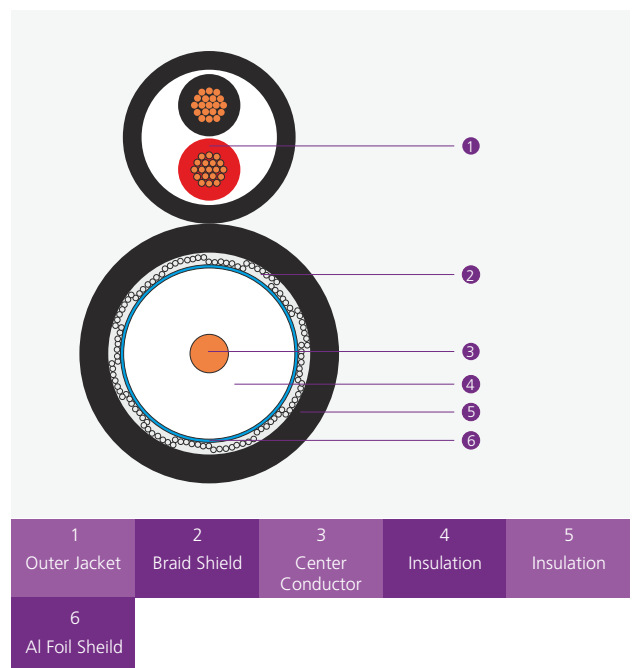
75% Aluminium wire

### Jacket Color

Black

## PHYSICAL CHARACTERISTICS

Characteristic	Value
Center Conductor Diameter	0.65 mm +/-0.01
Insulation Diameter	3.65 mm +/-0.01
Braid Wire	16x6x0.12mm
Braid Wire Coverage	75%
Outer Jacket Diameter	6.0 mm +/-0.15
Min. Bending Radius (Installation)	18.00mm
Max. Pulling Tension	376N
Operating Temperature	-20°C to +75°C
<b>POWER - 2 Core/22 AWG</b>	
Conductor	Stranded BC
Conductor diameter	19 x 0.14 +/-0.05 mm
Insulation material	PVC
Insulation diameter	1.55 +/- 0.1 mm
Insulation Color	Black/Red
Jacket diameter	3.7 mm
Jacket material	PVC



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## ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Characteristic Impedance	$\Omega$	75.0
Capacitance	pF/m	52.0
Center Conductor DCR	$\Omega$ /km	<185
Outer Conductor DCR	$\Omega$ /km	<38
Velocity ratio	%	83
Dielectric Strength	VCA	1000
Jacket Sparker	VCA	4000
Return Loss (10-1000 MHz)	dB	>20.0
Power: Inner DCR	$\Omega$ /km	<21

## 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
475-01PA75	RG 59U Coaxial Cable 75 Ohm AL Braid 75 % Coverage with 2 Core Power cable PVC