

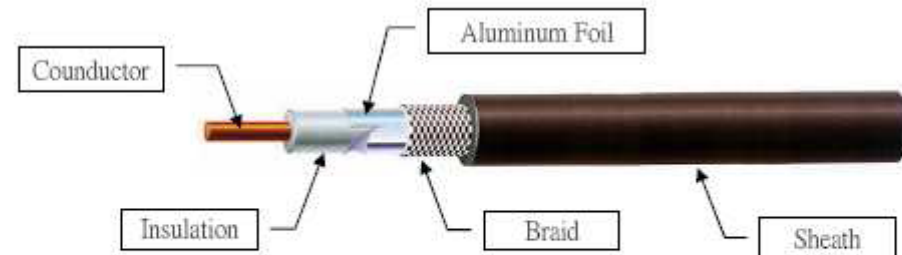


# STAR LINK

## COAXIAL CABLE SPEC.

	Conductor		Insulation		Braid					Sheath	
	Material	Composition NO./mm	Material	Diameter mm	Material	Thickness mm	Material	coverage % (nom.)	Composition	Material	O.D. mm
RG-6	Bare Copper	1 / 1.02	Foam PE	4.6	Al/Foil Tape	0.05	Tinned Copper	57.0	16/4/0.16	PVC	6.8±0.1

DC resistance (max. at 20°C) : 23.0 ohms per 1 km  
 Characteristic impedance : 75 ± 3 ohms





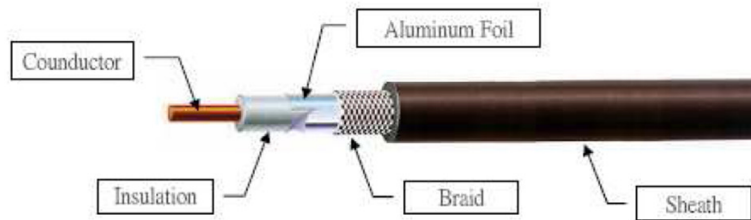
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<http://www.simattelecom.com>

## Coaxial cable RG 6 Detailed Specifications & Technical Data

### Description:

RG- 6, 18 AWG solid .1.02mm bare copper-covered steel conductor, gas-injected foam polyethylene insulation, aluminum foil -Polyester Tape + aluminum braid shield (57% coverage), PVC jacket.



### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax AWG Stranding Conductor Material				Dia. (mm)
1	18	Solid	BCCS - Bare Copper Covered Steel	1.02

#### Insulation

Insulation Material:	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	4.6

#### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Tape		Aluminum foil -Polyester Tape	100
2	Braid		AL-Aluminum wire	57

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Overall Nominal Diameter
PVC - Polyvinyl Chloride	6.8

### Mechanical Characteristics (Overall)

Installation Temperature Range: -30°C To +80°C

Operating Temperature Range: -40°C To +80°C

Max. Recommended Pulling Tension: 126 lbs.

Min. Bend Radius (Install)/Minor Axis: 2 in.

## Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
75	$75 \pm 3$

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.2

Nominal Velocity of Propagation:

VP (%)
83

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000ft)
28

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
5	0.67
55	1.6
211	2.87
270	3.24
300	3.43
350	3.72
400	4.00
450	4.26
550	4.71
750	5.59
870	6.00
1000	6.54