



## RG11/U Coaxial Cable

P/N: 10100065  
10100066

Version: 1

### Applications

Coaxial cable suitable for broadcast transmission including CATV, SMATV and CCTV.

### Electrical Specifications

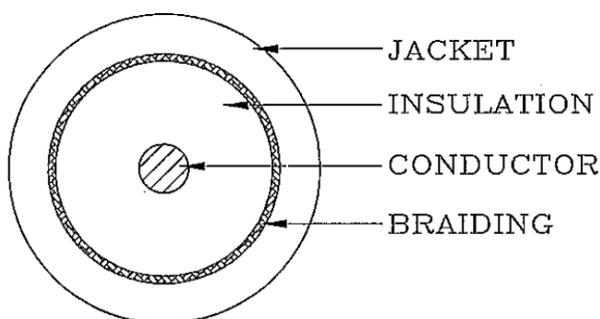
Temperature Operating Range: - 20°C + 70°C

Impedance: 75  $\pm$  3 Ohms

Return Loss @ 20°C: 5-1000 MHz  $\geq$  20 dB

Return Loss @ 20°C: 1001-2250 MHz  $\geq$  15 dB

Capacitance: pF/ft [pF/m] 20.5 [67.26]



### Design

#### 1) Conductor :

Copper Cladded Steel Solid Conductor

#### 2) Insulation:

Foam PE

Aluminum Foil Bonded, 100% coverage

Conductor Diameter	Conductor Solid Diameter	Insulation Diameter	Insulation Nominal Thickness	Cross Section Area
mm				mm <sup>2</sup>
1.63	1.63 $\pm$ 0.01	7.11 $\pm$ 0.08	2.74	2.08



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### 3) Braiding:

Material: Aluminum Wire

#### Braiding Coverage:

Nexans PN	Braiding Coverage	Composition
10100065	90%	24 x 8 x 0.16mm
10100066	60%	24 x 4 x 0.16mm

### 4) Outer Sheath:

Outer sheath material: Polyvinyl Chloride (PVC)

Jacket Diameter: 10.15 ± 0.10 mm

Jacket Nominal Thickness: 0.75 mm

Color: Black

#### Marking (Ink jet):

Nexans RG-11/U - 90% 75 Ohm Coaxial Cable ROHS MM/YYYY \*\*\*\*\*M

Nexans RG-11/U - 60% 75 Ohm Coaxial Cable ROHS MM/YYYY \*\*\*\*\*M

### Technical Performance

	Frequency	Standard value(dB)	Frequency(MHz)	Standard	Frequency(MHz)	Standard
Attenuation constant (dB/100m@20 °C) Attenuation	5	1.25	330	7.71	600	10.43
	55	3.18	350	7.94	750	11.97
	211	6.23	400	8.53	870	13.31
	250	6.72	450	9.02	1000	14.27
	270	7.00	500	9.51		
	300	7.38	550	9.97		