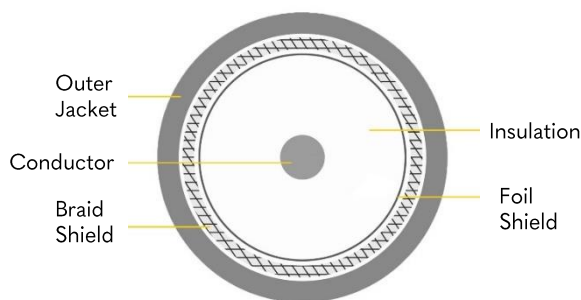




Voltan RG 11U is a common type of coaxial cable used in a wide variety of residential and commercial applications. This RG 11 type cables have become the standard for CATV/MATV, Broadband, HDTV and Satellite Broadcasting Transmission use, has a copper-coated steel center conductor and a combination aluminum foil/aluminum braid shield, typically with low coverage about 60%. RG 11 can be used as a trunk cable with standard Transmission distance up to 600 m. Outer jacket is made up of UV Protective PE.

DESIGN

Conductor: Copper Clad Steel
Insulation: Foam PE (Polyethylene)
Insulation Color: Neutral
Braid Wire: Aluminium Wire
Jacket Color: Black
Shielding: Aluminum/Polyester Foil Bonded
Outer Jacket: PE (UV Protective)



PHYSICAL CHARACTERISTICS	Value
Center Conductor Diameter	1.63 mm
Insulation Diameter	7.11 mm
Braid Wire Diameter	0.16 mm
No. of Braid Wire	96
Braid Wire Coverage	60%
Outer Jacket Diameter	10.16 mm
Min. Bending Radius (Installation)	76.02mm
Max. Pulling Tension	431.4 N
Operating Temperature	-40°C to +65°C

ELECTRICAL CHARACTERISTICS	Unit	Value
Characteristic Impedance	Ω	75.0
Capacitance	pF/m	54.0
Center Conductor DCR	Ω/km	38
Braid Wire DCR	Ω/km	40 - 45
Velocity of Propagation	%	85
Dielectric Strength	VCA	5000
Jacket Sparker	VCA	4000
Return Loss (5-6000 MHz)	dB	23.0

PERFORMANCE CHARACTERISTICS

Frequency at 20°C (MHz)	Attenuation (10% higher) (dB/100m)
5	0.38
55	0.96
83	1.18
100	1.50
187	1.75
211	1.90
250	2.05
300	2.25
400	2.60
450	2.75
500	2.90
550	3.04
600	3.18
750	3.65
865	3.98
1000	4.35
1500	6.91
2000	8.13
2500	9.20
3000	10.20

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.No	Description
VTAL1160PE	RG 11U 75 Ohm Coaxial Cable with 60% AL Braid Coverage - PE