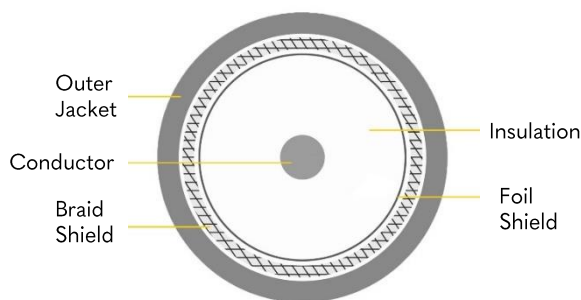




Voltan RG 6U is a common type of coaxial cable used in a wide variety of residential and commercial applications. This RG 6 type cables have become the standard for CATV, has a copper-coated steel center conductor and a combination aluminum foil/aluminum braid shields, typically with low coverage about 60%. RG6 can be used as a branch cable with Standard Transmission distance up to 450m. Outer jacket is made up of UV Protective PE jacket.

DESIGN

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



PHYSICAL CHARACTERISTICS

	Value
Center Conductor Diameter	1.02 mm
Insulation Diameter	4.57 mm
Braid Wire Diameter	0.12 mm
No. of Braid Wire	80
Braid Wire Coverage	60%
Outer Jacket Diameter	6.9 mm
Min. Bending Radius (Installation)	76.02mm
Max. Pulling Tension	200N
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	102
Braid Wire DCR	Ω /km	40 - 45
Velocity of Propagation	%	85
Dielectric Strength	VCA	5000
Jacket Sparker	VCA	4000
Return Loss (5-6000 MHz) (1001 - 3000 MHz)	dB	20 15

PERFORMANCE CHARACTERISTICS

Frequency at 20°C (MHz)	Attenuation (10% higher) (dB/100m)
5	2.80
55	5.25
83	6.40
187	9.35
211	10.00
250	10.82
300	11.64
350	12.63
400	13.61
450	14.43
500	15.09
550	16.08
600	16.73
750	18.54
865	20.01
1000	21.49
1750	29.00
2150	32.50
2200	33.00
3000	39.00

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
VTAL660PE	RG 6U 75 Ohm Coaxial Cable with 60% AL Braid Coverage - PE