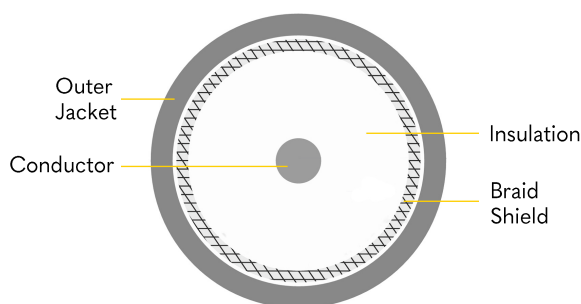




Voltan RG 11U type cables are also used in professional video applications, carrying either baseband analog video in closed-circuit television (CCTV) signals or serial digital interface (SDI) signals; in these applications, the center conductor is ordinarily solid copper, the shielding is such heavier (60% Bare copper braid), and tolerances are more tightly controlled, to improve impedance stability. RG 11 can be used as a trunk cable with standard Transmission distance up to 600m.

### DESIGN

Conductor: Bare Copper
Insulation: Foam PE (Polyethylene)
Insulation Color: Neutral
Braid Wire: BC Wire
Jacket Color: Black
Outer Jacket: PE / PVC (Polyvinyl Chloride)



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	10.03 mm
Min. Bending Radius (Installation)	35.55mm
Max. Pulling Tension	713N
Operating Temperature	-20°C to +75°C

ELECTRICAL CHARACTERISTICS	Unit	Value
Characteristic Impedance	$\Omega$	75.0
Capacitance	pF/m	51.0
Center Conductor DCR	$\Omega/\text{km}$	<8.5
Braid Wire DCR	$\Omega/\text{km}$	<10.5
Velocity of Propagation	%	84
Dielectric Strength	VCA	1500
Jacket Sparker	VCA	2500
Return Loss (5-6000 MHz)	dB	18.0

## PERFORMANCE CHARACTERISTICS

Frequency at 20°C (MHz)	Attenuation (10% higher) (dB/100m)
1	0.56
10	1.41
100	4.85
400	11.15
700	16.20
900	19.40
1000	21.30

## 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
VTBC1160P	RG 11U 75 Ohm Coaxial Cable with 60% BC Braid Coverage - PVC