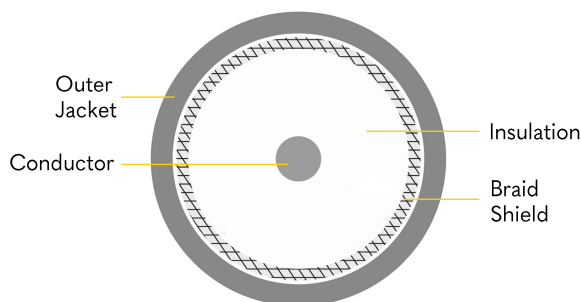




Voltan RG 6U type cables are also used in professional video applications, carrying either baseband analog video signals in closed circuit television (CCTV) or serial digital interface (SDI) signals; in these applications, the center conductor is ordinarily solid copper, the shielding is much heavier (90% copper braid), and tolerances are more tightly controlled, to improve impedance stability. RG6 can be used as a branch cable with Standard Transmission distance up to 450m.

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	1.02 mm
Insulation Diameter	4.75 mm
Braid Wire Diameter	0.12 mm
No. of Braid Wire	168
Braid Wire Coverage	90%
Outer Jacket Diameter	6.80 mm
Min. Bending Radius (Installation)	22.85mm
Max. Pulling Tension	462N
Operating Temperature	-20°C to +75°C

ELECTRICAL CHARACTERISTICS	Unit	Value
Characteristic Impedance	Ω	75.0
Capacitance	pF/m	52.0
Center Conductor DCR	Ω/km	<22.0
Braid Wire DCR	Ω/km	<10.0
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	1.52
10	2.71
50	5.78
100	7.87
200	10.82
400	15.29
700	20.71
900	23.74
1000	25.05
1200	27.59
1450	30.71
1800	34.56
2200	38.34

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
VTBC690P	RG 6U 75 Ohm Coaxial Cable with 90% BC Braid Coverage - PVC