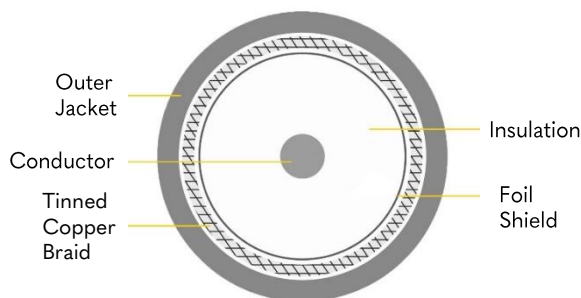




Voltan RG 6U type cables are also used in professional video applications, carrying either baseband analog in closed-circuit television (CCTV) video signals or serial digital interface (SDI), signals; in these applications, the center conductor is ordinarily solid copper, the shielding is much heavier (typically aluminum foil/ 95% Tinned 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: Tinned Copper Wire
Jacket Color: Black
Shielding: Aluminum / Polyester Foil Bonded
Outer Jacket: PVC (Polyvinyl Chloride) LSZH (Low smoke zero halogen)



PHYSICAL CHARACTERISTICS

	Value
Center Conductor Diameter	1.02mm
Insulation Diameter	4.75 mm
Braid Wire Diameter	0.12 mm
No. of Braid Wire	168
Braid Wire Coverage	95%
Outer Jacket Diameter	6.80 mm
Min. Bending Radius (Installation)	22.85 mm
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	1000
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
VTTC695P	RG 6U 75 Ohm Coaxial Cable with 95% TC Braid Coverage - PVC
VTTC695L	RG 6U 75 Ohm Coaxial Cable with 95% TC Braid Coverage - LSZH