

COAX RG6/U PVC HDTV PRECISION VIDEO

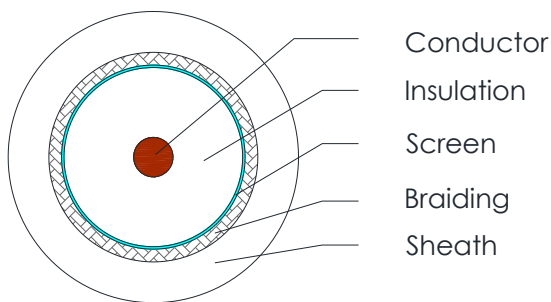


C4199

Applications

Low loss HDTV/SDI Digital coax used in analog and digital video circuits and high quality applications; The cable is UV-resistant and suitable for indoor and outdoor use

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid Bare Copper (BC)
Dielectric	Foamed Polyethylene
Screen Tape	Al/PET/Al Tape
Braid	Tinned Copper wire
Sheath	Polyvinylchloride (PVC) Standard Colour: White
Standard Put Up Length	305 or 500 metres

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Physical Characteristics

Part Number	C4199
Nom. Diameter Conductor(mm)	1.02
Nom. Diameter Dielectric	4.57
Tape1 Al/PET/Al Coverage (%)	95
Coverage Braid (%)	95
Nom. Overall Diameter(mm)	6.96
Operating Temperature (°C)	-30 to 70
Min. Bend Radius (install)(mm)	70
Max. Pull Tension (N)	300

Electrical Characteristics at 20°C

Part Number	C4199
Impedance(Ohm)	75 ± 3
Max. DC Resistance Conductor (Ω/km)	21
Max. DC Resistance Screen (Ω/km)	9.2
Nominal Capacitance (pF/m)	53
Velocity of Propagation (%)	82
Min. Return Loss 5 to 1600 MHz (dB)	23
Min. Return Loss 1600 to 4500 MHz (dB)	21
Min. Return Loss 4500 to 6000 MHz (dB)	15
Voltage Test (KV DC)	2.0

Nominal Attenuation in dB/100m

MHz	1	3.6	10	71.5	135	270	360	540	720	750	1000	1500	2250	3000	4500	6000
RG-6	0.8	1.5	2.4	5.6	7.4	10.4	12.1	14.8	17.5	17.9	20.7	25.6	32.2	37.7	47.6	58.1

Reference Standards

(BS) EN 50290-2	IEC 60332-1
IEC 1196	RoHS directives