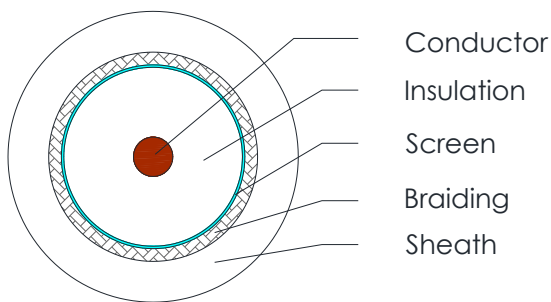


**C5604**

## 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	Halogen Free Flame Retardancy (LSZH-HFFR) 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.

## C5604

### Physical Characteristics

Part Number	C5604
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	C5604
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
<b>RG-6</b>	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 60332-3-24
IEC 1196	IEC 60754-1&-2
IEC 61034	RoHS directives