

RG-11/U Type, 75 Ohm 6 GHz Coax, 4K UHD Precision Video Cable

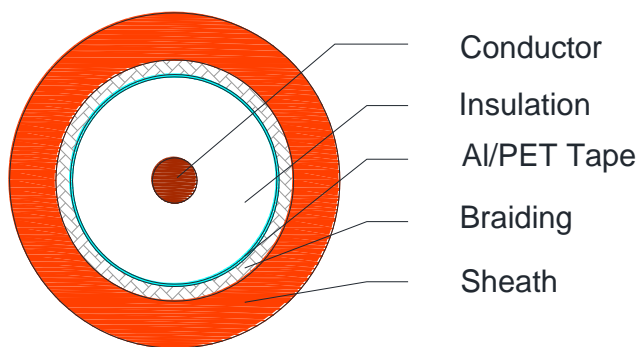


C4603

Applications

UHDTV and HD-SDI 1080p applications and precision video signal transmission.

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid Bare Copper
Dielectric	Foamed Polyethylene
Screen	Aluminium/ Polyester/Aluminium foil 100% coverage
Braid	Tinned Copper
Sheath	Polyvinyl Chloride (PVC) Standard colour: Black or Orange
Standard Put Up Length	305metres

*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

Coax Cable	C4603
Nom. Diameter Conductor(mm)	1.63
Nom. Diameter Dielectric	7.11
Coverage Braid (%)	95
Nom. Overall Diameter(mm)	10.1
Operating Temperature (°C)	-25 to +75
Max. Recommended Pulling Tension (N)	645
Min. Bend Radius (install)(mm)	100
Nominal Cable Weight (kg/km)	130

Electrical Characteristics at 20°C

Coax Cable	C4603
Impedance(Ohm)	75 ± 3
Max. DC Resistance Conductor (Ω/km)	9.5
Max. DC Resistance Screen (Ω/km)	5.9
Nominal Capacitance (pF/m)	52
Velocity of Propagation (%)	85
Nom. Inductance (μ H/m)	0.32
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

Nominal Attenuation in dB/100m

MHz	1	5	10	25	67.5	100	270	540	720
RG-11	0.53	1.12	1.50	2.20	3.46	4.20	6.45	9.42	11.20
	1000	1500	2000	2250	3000	4500	6000		
	13.52	16.74	19.82	21.10	25.03	31.37	37.83		

Reference Standards

(BS) EN 50290-2	IEC 60332-1
IEC 61196	RoHS directives