

# RG-11/U Type, 75 Ohm 12 GHz Coax, 4K UHD Precision Video Cable

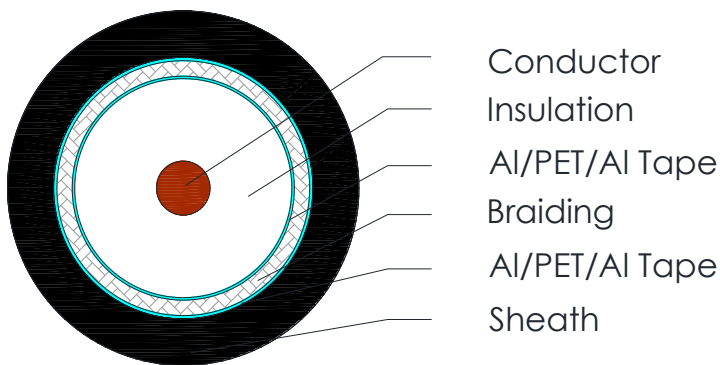


C4565

## Applications

Outdoor SMPTE 2082-1 12 Gb/s UHDTV, SMPTE 2081-1 6 Gb/s UHDTV, SMPTE 424M 3 Gb/s HD-SDI 1080p

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Solid Silver Plated Copper
Dielectric	Foamed Polyethylene
Screen	Aluminium/ Polyester/Aluminium foil Bonded to Insulation 100% coverage
Braid	Tinned Copper
	Aluminium/ Polyester/Aluminium foil Bonded to Sheath 100% coverage
Sheath	Polyvinyl Chloride (PVC) Standard colour: Black
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	C4565
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)	1157
Min. Bend Radius (install)(mm)	100
Nominal Cable Weight (kg/km)	86.6

## Electrical Characteristics at 20°C

Coax Cable	C4565
Impedance(Ohm)	75 ± 3
Max. DC Resistance Conductor (Ω/km)	9.5
Max. DC Resistance Screen (Ω/km)	8.1
Nominal Capacitance (pF/m)	52
Velocity of Propagation (%)	85
Nom. Inductance ( μ H/m)	0.32
Time Delay(nS/m)	3.94
Min. Return Loss 5 to 1000 MHz (dB)	20
Min. Return Loss 1000 to 12000 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	1.48	2.20	3.41	4.07	6.43	9.22	10.73
	1000	1500	2000	2250	3000	4500	6000	12000	
	12.76	15.85	18.54	19.76	23.20	28.91	34.40	53.8	

## Reference Standards

(BS) EN 50290-2	IEC 60332-1
(BS) EN 50117	RoHS directives
IEC 61196	