

# Outdoor used RG-59, RG-6 and RG-11 Coaxial Cables for CCTV & Video

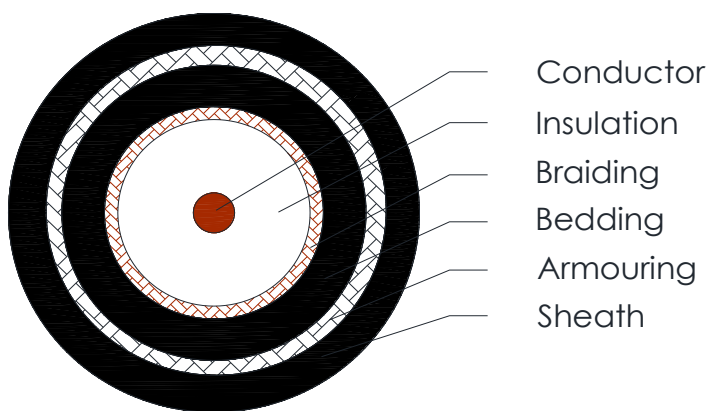


C4912, C4913, C4914

## Applications

Outdoor CCTV and Video

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Solid Bare Copper (BC)
Dielectric	Foamed Polyethylene
Braid	Bare Copper wire
Bedding	Polyvinyl Chloride (PVC)
Armouring	Galvanized Steel Wire Braiding
Sheath	UV Resistant Low Density Polyethylene (LDPE) Standard colour: Black
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.

# Outdoor used RG-59, RG-6 and RG-11 Coaxial Cables for CCTV & Video



## C4912, C4913, C4914

### Physical Characteristics

Coax Cables for CCTV and Video	RG-59	RG-6	RG-11
Part Number	C4912	C4913	C4914
Nom. Diameter Conductor(mm)	0.81	1.02	1.63
Nom. Diameter Dielectric	3.71	4.60	7.11
Coverage Braid (%)	95	95	90
Nom. Overall Diameter(mm)	6.0	6.8	10.0
Steel wire diameter (mm)	0.30		
Nom. Overall Diameter(mm)	8.8	9.6	12.8
Operating Temperature (°C)	-25 to +75		
Max. Recommended Pulling Tension (N)	220	310	640
Min. Bend Radius (install)(mm)	132	144	192

### Electrical Characteristics at 20°C

Coax Cables for CCTV and Video	RG-59	RG-6	RG-11
Part Number	C4912	C4913	C4914
Impedance(Ohm)	75 ± 3		
Max. DC Resistance Conductor (Ω/km)	33.5	21.5	8.8
Max. DC Resistance Screen (Ω/km)	10.1	10.8	6.5
Nominal Capacitance (pF/m)	53.5	53.5	52.8
Nominal Inductance (μH/m)	0.32		
Velocity of Propagation (%)	83	83	84
Nominal Time Delay (ns/m)	3.97		
Min. Return Loss 1 to 1000 MHz (dB)	20		

### Nominal Attenuation in dB/100m

MHz	5	10	50	100	200	300	400	450	550	700	750	870	1000
<b>RG-59</b>	1.9	2.95	6.23	8.53	11.81	15.3	16.41	18.92	21.03	22.97	24.8	26.84	27.89
<b>RG-6</b>	1.78	2.36	4.92	6.56	9.51	12.43	13.78	15.14	17.15	18.37	19.73	20.90	22.96
<b>RG-11</b>	0.99	1.51	2.96	4.27	6.23	8.27	9.51	10.31	11.51	13.45	13.95	14.87	17.06

### Reference Standards

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