

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

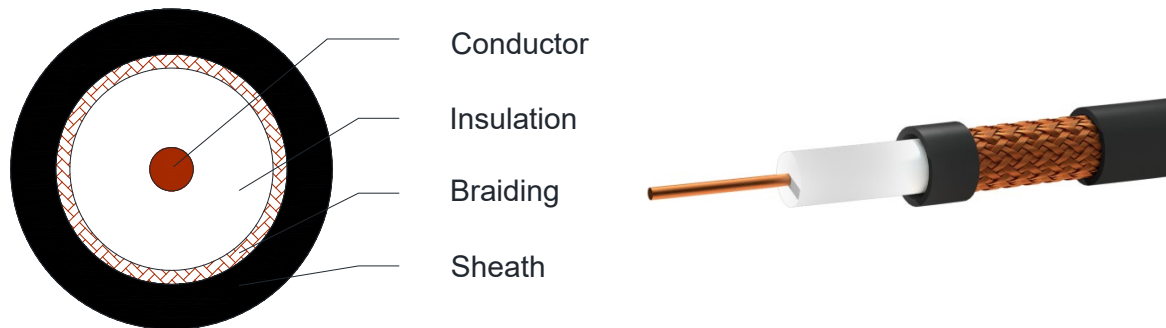


C1028, C1029, C1030, C1528, C1529, C1531, C1628, C1629, C1630

Applications

CCTV and Video

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid Bare Copper (BC)
Dielectric	Foamed Polyethylene
Braid	Bare Copper wire
Sheath	Polyvinyl Chloride (PVC) 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.

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Physical Characteristics

Coax Cables for CCTV and Video	RG-59	RG-6	RG-11
Part Number with PVC Sheath	C1028	C1029	C1030
Part Number with PVC CM Sheath	C1528	C1529	C1531
Part Number with PVC CMR Sheath	C1628	C1629	C1630
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
Operating Temperature (°C)	-25 to +75		
Max. Recommended Pulling Tension (N)	220	310	640
Min. Bend Radius (install)(mm)	60	68	100
Nominal Cable Weight (kg/km)	47.12	55.5	115.9

Electrical Characteristics at 20°C

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Part Number with PVC CMR Sheath	C1628	C1629	C1630
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
RG-59	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
RG-6	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
RG-11	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	UL 1666 for CMR
(BS) EN 50117	IEC 61196
UL 1685 for CM	RoHS directives