

# RG-59, RG-6 and RG-11, Flexible Conductor 75 Ohm Coaxial Cables for CCTV PVC Sheath

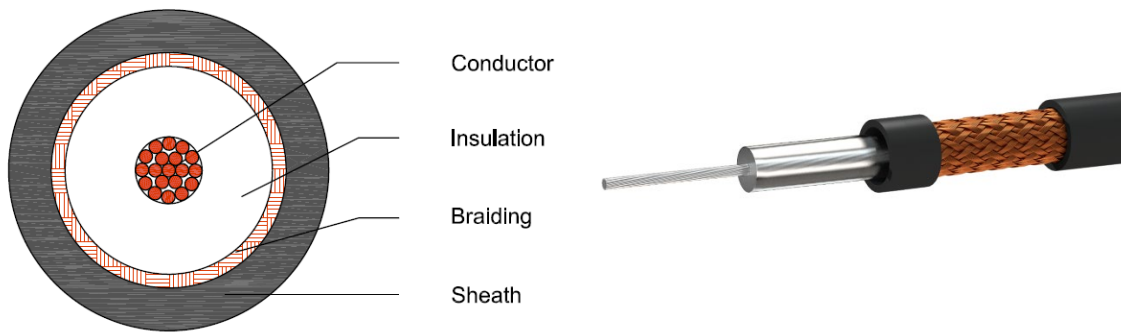


C1275, C1276, C1277

## Applications

CCTV and Video

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Flexible Bare or Tinned Copper
Dielectric	Foamed Polyethylene
Braid	Bare Copper wire
Sheath Material	Polyvinyl Chloride (PVC) Standard colour: Black
Standard Put Up Length	305 or 500 meters

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

## Physical Characteristics

Coax Cables for CCTV and Video	RG-59 Flexible Conductor	RG-6 Flexible Conductor	RG-11 Flexible Conductor
Part Number	C1275	C1276	C1277
Conductor Material	Tinned Copper	Bare Copper	Bare Copper
Conductor stranding (mm)	19 x 0.18	19 x 0.22	19 x 0.34
Nom. Diameter Dielectric (mm)	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
Nom. Cable Weight (kg/km)	47.12	54.66	110.0

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## Electrical Characteristics

Coax Cables for CCTV and Video	RG-59 Flexible Conductor	RG-6 Flexible Conductor	RG-11 Flexible Conductor
Part Number	C1275	C1276	C1277
Impedance	75 ± 3	75 ± 3	75 ± 3
Max. DC Resistance Conductor (Ohm)	40	30	8.8
Max. DC Resistance Screen (Ω/km)	10.1	10.8	6.2
Nominal Capacitance (pF/m)	53.5	53.5	52.8
Nominal Inductance (μH/m)	0.32	0.32	0.32
Velocity of Propagation (%)	83	83	84
Nominal Time Delay (ns/m)	3.97	3.97	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	1.15	2.96	4.27	6.23	8.27	9.51	10.31	11.51	13.45	13.95	14.87	17.06

## Reference Standards

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