

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



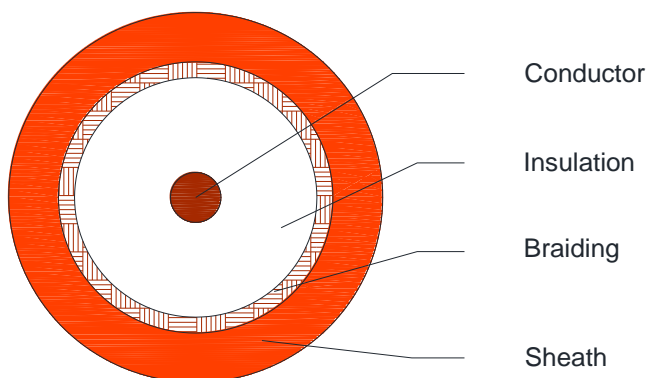
## HFFR Sheath

CI 428, CI 429, CI 430

### Applications

CCTV and Video

### Cross Section Drawing



### Design

Unit	Properties
Conductor	Solid Bare Copper (BC)
Dielectric	Foamed Polyethylene
Braid	Bare Copper wire
Sheath Material	Halogen-Free Flame Retardant (HFFR) Standard Colour: Orange
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.*

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



## HFFR Sheath

C1428, C1429, C1430

### Physical Characteristics

Coax Cables for CCTV and Video	RG-59 Solid Conductor	RG-6 Solid Conductor	RG-11 Solid Conductor
Part Numbers	C1428	C1429	C1430
Nom. Diameter Conductor (mm)	0.81	1.02	1.63
Nom. Diameter Dielectric (mm)	3.71	4.60	7.11
Nom. Overall Diameter (mm)	6.0	6.8	10.0
Coverage Braid (%)	95	95	90
Max. Recommended Pulling Tension (N)	220	310	640
Min. Bend Radius (Install) (mm)	60	68	100
Weight (kg/km)	48.5	58.2	120

### Electrical Characteristics (at 20°C)

Coax Cables for CCTV and Video	RG-59 Solid Conductor	RG-6 Solid Conductor	RG-11 Solid Conductor
Part Numbers	C1428	C1429	C1430
Impedance ( $\Omega$ )	75 $\pm$ 3		
Max. DC Resistance Conductor ( $\Omega$ /km)	33.5	21.5	8.8
Max. DC Resistance Screen ( $\Omega$ /km)	10.1	10.8	6.5
Nominal Capacitance (pF/m)	53.5	53.5	52.8
Nominal Inductance ( $\mu$ H/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
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	20.26	21.96
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

IEC 61196, IEC 60332-3-24 (Fire Retardant)
(BS) EN 50117, (BS) EN 50290-2
IEC 61034 (Low Smoke), IEC 60754-1&-2 (Halogen free)
RoHS directives