

# RG-59, RG-6 and RG-11, Quad Screened Sweep Tested Coaxial Cables for CATV and SMATV LSZH-HFFR Sheath

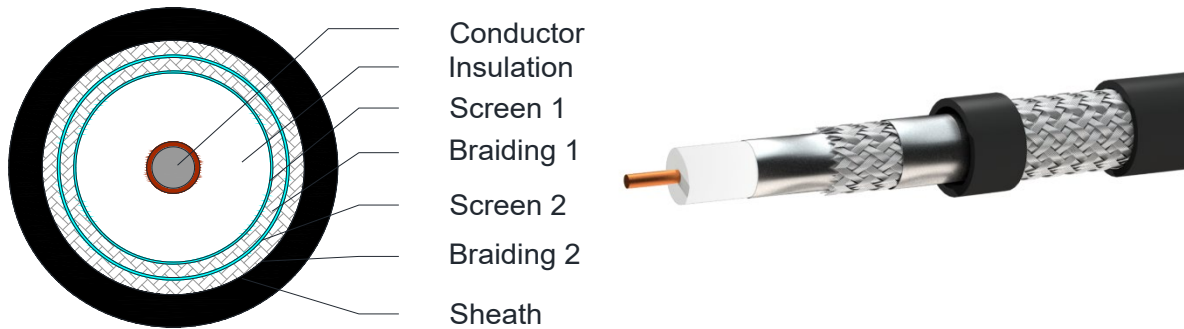


C5606, C5607, C5608

## Applications

CATV and SMATV

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Solid Copper Covered Steel (CCS)
Dielectric	Foamed Polyethylene
Screen 1	Bonded Aluminium/ Polyester foil 100% coverage
Braid 1	Aluminum wire
Screen 2	Al/Polyester/Al foil 100% coverage
Braid 2	Aluminum wire
Sheath Material	Halogen Free Flame Retardancy (HFFR) Standard color: 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.

# RG-59, RG-6 and RG-11, Quad Screened Sweep Tested Coaxial Cables for CATV and SMATV LSZH-HFFR Sheath



C5606, C5607, C5608

## Physical Characteristics

Coax Cables for HDTV	RG-59 3000MHz	RG-6 3000MHz	RG-11 3000MHz
Part Number	C5606	C5607	C5608
Nom. Diameter Conductor (mm)	0.81	1.02	1.63
Nom. Diameter Dielectric (mm)	3.71	4.60	7.11
Coverage Braid 1 (%)	54	60	60
Coverage Braid 2 (%)	46	40	40
Nom. Overall Diameter (mm)	6.73	7.52	10.3
Max. Recommended Pulling Tension (N)	600	700	1300
Min. Bend Radius (Install) (mm)	67	75	103
Nom. Cable Weight (kg/km)	39.4	49.5	90.6

## Electrical Characteristics

Coax Cables for HDTV	RG-59 3000MHz	RG-6 3000MHz	RG-11 3000MHz
Part Number	C5606	C5607	C5608
Impedance	75 ± 3	75 ± 3	75 ± 3
Max. DC Resistance Conductor (Ohm)	146.5	92.2	36.5
Max. DC Resistance Screen (Ω/km)	26	17	12
Nominal Capacitance (pF/m)	53	53	53
Nominal Inductance (μH/m)	0.32	0.32	0.32
Velocity of Propagation (%)	83	83	83
Nominal Time Delay (ns/m)	3.94	3.94	3.94
Min. Return Loss 1 to 1000 MHz (dB)	20		

## Nominal Attenuation in dB/100m

MHz	5	10	50	100	200	400	550	870	1250	1750	2150	2500	3000
RG-59	2.92	3.45	5.40	8.21	12.56	16.01	19.36	24.74	30.62	36.71	40.82	44.72	48.64
RG-6	2.2	2.48	5.15	6.6	9.56	13.12	15.45	19.69	24.25	29.26	32.88	35.88	39.83
RG-11	1.25	2.03	3.75	5.01	6.85	8.1	9.65	12.6	16.66	20.28	22.93	25.12	28.08

## Reference Standards

IEC 61196	IEC 61034
(BS) EN 50117	IEC 60754-1&-2
(BS) EN 50290-2	RoHS directives