

# RG-59, RG-6 and RG-11 PLENUM RATED Sweep Tested Coaxial Cables for CATV & SMATV

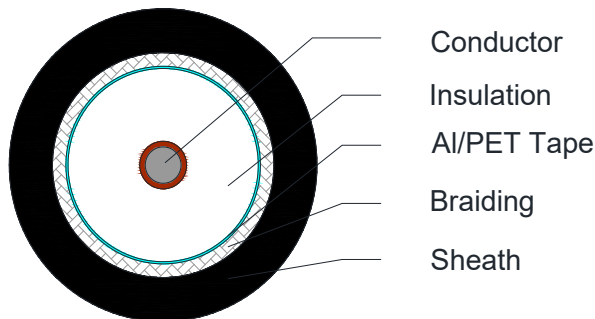


C8025, C8026, C8027

## Applications

CATV and SMATV

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Solid Copper Covered Steel (CCS)
Dielectric	Foamed FEP
Screen	Bonded Aluminium/ Polyester foil 60% coverage
Braid	Aluminium Wire
Sheath	Plenum Rated Polyvinyl Chloride (PVC) Standard colour: Black
Standard Put Up Length	305metres

\*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 PLENUM RATED Sweep Tested Coaxial Cables for CATV & SMATV



## C8025, C8026, C8027

### Physical Characteristics

Coax Cables for CATV and SMATV	RG-59	RG-6	RG-11
Part Number	C8025	C8026	C8027
Nom. Diameter Conductor(mm)	0.82	1.02	1.625
Nom. Diameter Dielectric	3.43	4.32	7.11
Coverage Braid (%)	65	60	60
Nom. Overall Diameter(mm)	5.13	5.90	8.90
Operating Temperature (°C)	-25 to +75		
Max. Recommended Pulling Tension (N)	350	560	1157
Min. Bend Radius (install)(mm)	52	59	89
Nominal Cable Weight (kg/km)	32	41	85

### Electrical Characteristics at 20°C

Coax Cables for CATV and SMATV	RG-59	RG-6	RG-11
Part Number	C8025	C8026	C8027
Impedance(Ohm)	75 ± 3		
Max. DC Resistance Conductor (Ω/km)	158.1	93.8	36.5
Max. DC Resistance Screen (Ω/km)	52	30	25
Nominal Capacitance (pF/m)	53		
Velocity of Propagation (%)	84		
Nominal Time Delay (ns/m)	3.94		
Min. Return Loss 1 to 1000 MHz (dB)	20		
Min. Return Loss 1000 to 2000 MHz (dB)	20	20	20
Min. Return Loss 1000 to 3000 MHz (dB)	15	20	20

### Nominal Attenuation in dB/100m

MHz	1	10	50	100	200	400	700	900	1000	1450	1800	2200	3000
RG-59	0.95	2.95	6.27	8.86	13.12	19.02	25.59	29.53	31.82	37.73	44.29	50.85	60.70
RG-6	1.64	3.08	5.74	8.52	12.46	18.03	24.92	29.18	30.49	39.34	44.59	48.52	59.02
RG-11	0.82	2.62	3.93	5.57	8.20	11.80	16.72	19.67	21.31	26.23	29.84	33.11	39.34

### Reference Standards

(BS) EN 50290-2	UL 910 CMP
(BS) EN 50117	RoHS directives
IEC 61196	