

RG-59, RG-6 and RG-11 Coaxial Cables for CATV & SMATV

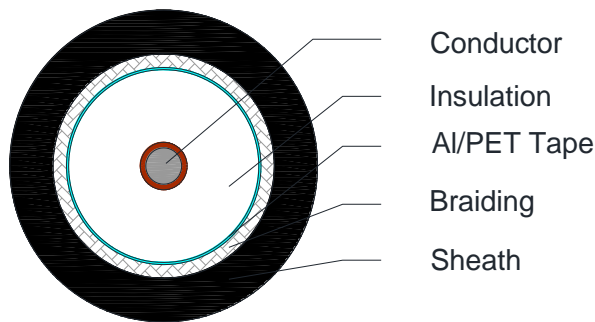


C4582, C4583, C4584

Applications

CATV and SMATV

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid Copper Covered Steel (CCS)
Dielectric	Foamed Polyethylene
Screen	Bonded Aluminium/ Polyester foil 100% coverage
Braid	Aluminium Wire
Sheath	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.

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C4582, C4583, C4584

Physical Characteristics

Coax Cables for CATV and SMATV	RG-59	RG-6	RG-11
Part Number for PVC	C4582	C4583	C4584
Nom. Diameter Conductor(mm)	0.81	1.02	1.63
Nom. Diameter Dielectric	3.71	4.60	7.11
Coverage Braid (%)	54	60	61
Nom. Overall Diameter(mm)	6.0	6.8	10.0
Operating Temperature (°C)	-25 to +75		
Max. Recommended Pulling Tension (N)	350	560	1157
Min. Bend Radius (install)(mm)	60	68	100
Nominal Cable Weight (kg/km)	32.42	41.32	86.6

Electrical Characteristics at 20°C

Coax Cables for CATV and SMATV	RG-59	RG-6	RG-11
Part Number	C4582	C4583	C4584
Impedance(Ohm)	75 ± 5		
Max. DC Resistance Conductor (Ω /km)	193	120	48
Max. DC Resistance Screen (Ω /km)	52	30	25
Nominal Capacitance (pF/m)	53		
Nominal Inductance (μ H/m)	0.32		
Velocity of Propagation (%)	83		
Nominal Time Delay (ns/m)	3.94		
Min. Return Loss at 1GHz (dB)	20		
Max. Attenuation at 1GHz (dB/100m)	26.54	21.46	13.8

Reference Standards

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