

RG-6 Broadband CATV Coax Cable with HFFR/LSZH Sheath

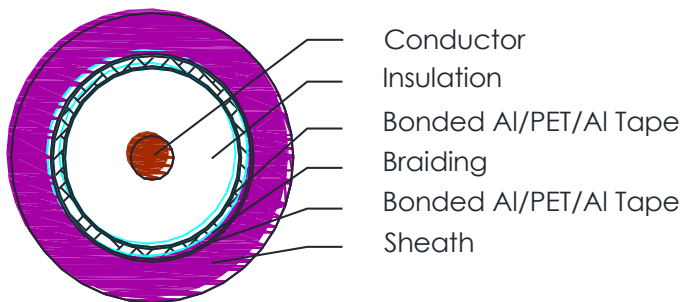


C5589

Applications

Broadband CATV

Cross Section Drawing



Design

Unit	Properties
Conductor	Solid Bare Copper
Dielectric	Foamed Polyethylene
Screen	Bonded Aluminium/ Polyester/ Aluminium foil 100% coverage
Braid	Aluminium Wire
Screen	Aluminium/ Polyester/ Aluminium foil 100% coverage
Sheath	Halogen Free Flame Retardancy (HFFR/LSZH) Standard colour: Purple
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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with HFFR/LSZH Sheath



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Physical Characteristics

Part Number	C5589
Nom. Diameter Conductor(mm)	1.13
Nom. Diameter Dielectric	4.70
Min. Bonded Al/PET/Al Tape (%)	100
Min. Coverage Braid (%)	77
Min. Al/PET/Al Tape (%)	100
Nom. Overall Diameter(mm)	7.06
Operating Temperature (°C)	-25 to +75
Max. Recommended Pulling Tension (N)	560
Min. Bend Radius (Install)(mm)	35
Min. Bend Radius (Repeated)(mm)	70
Nominal Cable Weight (kg/km)	40.2

Electrical Characteristics at 20°C

Part Number	C5589
Impedance(Ohm)	75 ± 3
Max. DC Resistance Conductor (Ω/km)	91.9
Nominal Capacitance (pF/m)	52
Velocity of Propagation (%)	83
Min. Return Loss 5 to 1000 MHz (dB)	23
Min. Return Loss 1000 to 3000 MHz (dB)	20
Min. Screening Attenuation 30 to 1000 MHz (dB)	85
Min. Screening Attenuation 1000 to 2000 MHz (dB)	90
Min. Screening Attenuation 2000 to 3000 MHz (dB)	75

Max. Attenuation in dB/100m

MHz	5	100	400	800	860	2150	2400
Value	1.50	6.30	13.30	18.80	19.60	30.80	32.80

Reference Standards

(BS) EN 50290-2	IEC 60332-1
EN 61034-1&-2	EN 60754-1&-2
RoHS directives	