

Sweep Tested Coaxial Cables for MATV



C1316, C1350, C1377

Applications

The system riser coaxial cable for MATV system.

Design

Unit	Properties
Inner conductor	Solid Copper Clad Aluminum
Dielectric	Foamed Polyethylene
Outer conductor	Aluminum tube welded / Seamless Tube/AL Foil + Al braiding
Sheath	Polyethylene Standard colour: Black
Standard Put Up Length	500metres

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

Physical Characteristics

Part number	C1316	C1350	C1377
Screen Material	Aluminum tube welded	Aluminum Seamless Tube	AL Foil + Al braiding
Nom. Diameter Conductor (mm)	2.77	2.77	2.77
Nom. Diameter Dielectric (mm)	11.50	11.50	11.50
Nom. Outer conductor thickness (mm)	0.30	0.55	0.16
Nom. Sheath thickness (mm)	0.76	0.76	0.76
Nom. Overall Diameter (mm)	13.0	14.22	12.8

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Electrical Characteristics at 20°C

Parameters	Requirements
Impedance(Ohm)	75
Min. Return Loss 1 to 1000 MHz (dB)	22
Nominal Capacitance (pF/m)	50
Min. Shielding effectiveness (dB)	100
Velocity of Propagation (%)	88

Max. Attenuation in dB/100m (braiding version +10%)

MHz	5	55	211	250	270	300	400	450	550	600	750	800	1000
Max. Value	0.52	1.77	3.58	3.94	4.07	4.3	5.02	5.35	5.97	6.27	7.09	7.9	8.27

Reference Standards

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