



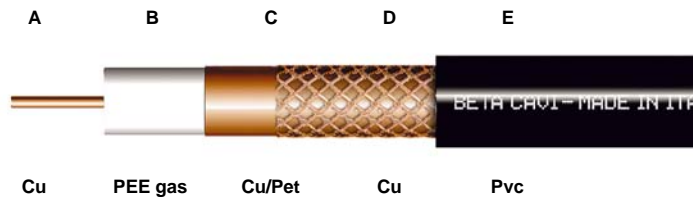
H10000 BRAUN GROUP

50 Ohm Coaxial Cable Wireless

10 GHz Low Loss



Rev. 02 August 2004



Construction and Dimensions

	materials	dimensions mm	tolerance mm
A. Inner conductor : Solid soft annealed copper	Cu	2,70	±0,02
B. Dielectric : Foam polyethylene gas injected	PEE gas	7,15	±0,10
C. Outer conductor Foil : Copper/Polyester	Cu/Pet	100%	
D. Braid : Copper wire Coverage : Visual coverage	Cu	47%	
E. Sheath Not contaminating PVC lead free UV resistant	Pvc	10,30	±0,20

Electrical Characteristics

Impedance :	50±2	Ω
Capacitance :	81±2	pF/m
Velocity ratio :	0,82	pF/m
Voltage test of dielectric :	3	kVdc
Voltage test of sheath :	3	kVdc
Resistance at 20° C	Inner conductor	3,2 Ω/km
	Outer conductor	11,5 Ω/km

Attenuation at 20° C

MHz	dB/100m	MHz	dB/100m	MHz	dB/100m	MHz	dB/100m
50	2,7	862	12,6	1750	18,8	3000	25,8
200	5,7	1000	13,7	2150	21,2	5000	35,1
450	8,9	1350	16,2	2400	22,6	10000	54,2

Return Loss SRL

5-460	MHz	> 30 dB
460-1000	MHz	> 28 dB
1000-3000	MHz	> 26 dB

Screening Efficiency

5-30	MHz	> 75 dB
30-1000	MHz	> 85 dB
1000-2150	MHz	> 85 dB

Mechanical Characteristics

Minimum static bending radius :	75	mm
Total weight :	125,00	g/m
Operating temperature :	-40°C to +70°C	

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