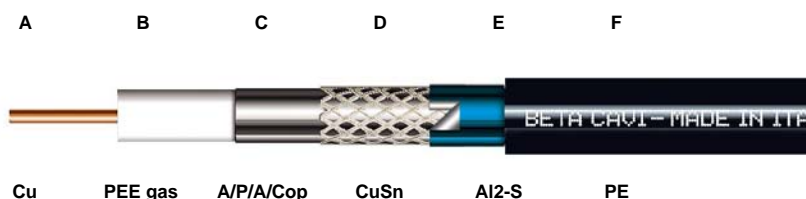




RG 11 B B³ PE 75 Ohm Coaxial Cable Distribution Cable



Rev. July 7th 2005



Construction and Dimensions

	materials	dimensions mm	tolerance mm
A. Inner conductor : Solid soft annealed copper	Cu	1,63	±0,02
B. Dielectric : Foam polyethylene gas injected	PEE gas	7,20	±0,10
C. Outer conductor Foil : Aluminum/Polyester/Aluminum/Copolymer Bonded to the dielectric	A/P/A/Cop	100%	
D. Braid : Tinned copper wire Coverage : Visual coverage	CuSn	40%	
E. Foil : nastro Alluminum/Polyester S Folded Bonded to the sheath	Al2-S	100%	
F. Sheath PE UV resistant	PE	10,00	±0,20

Electrical Characteristics

Impedance :	75±1	Ω
Capacitance :	53±1	pF/m
Velocity ratio :	84	%
Voltage test of dielectric :	2	kVdc
Voltage test of sheath :	2	kVdc
Resistance at 20° C		
Inner conductor	8,5	Ω/km
Outer conductor	11	Ω/km

Attenuation at 20° C

MHz	dB/100m	MHz	dB/100m	MHz	dB/100m	MHz	dB/100m
50	2,9	862	12,1	1750	18,0	3000	24,5
200	5,5	1000	13,1	2150	20,2		
450	8,5	1350	15,5	2400	21,5		

Return Loss SRL

5-470	MHz	> 35 dB
470-1000	MHz	> 33 dB
1000-3000	MHz	> 30 dB

Transfer Impedance

5-30	MHz	< 2 mOhm/m
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Screening Efficiency

30-1000	MHz	> 120 dB
1000-2000	MHz	> 110 dB
2000-3000	MHz	> 100 dB

Mechanical Characteristics

Minum static bending radius :	50/100	mm
Total weight :	95,50	g/m
Operating temperature :	-40°C to +70°C	

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