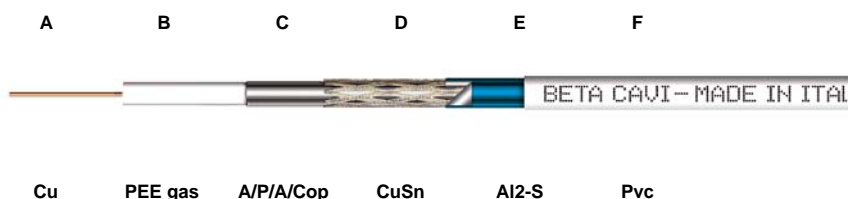




# N 35 B B<sup>3</sup> PVC 75 Ohm Coaxial Cable Drop Cable



Rev. July 7th 2005



## Construction and Dimensions

	materials	dimensions mm	tolerance mm
<b>A. Inner conductor</b> : Solid soft annealed copper	<b>Cu</b>	0,80	±0,012
<b>B. Dielectric</b> : Foam polyethylene gas injected	<b>PEE gas</b>	3,50	±0,05
<b>C. Outer conductor</b> Foil : Aluminum/Polyester/Aluminum/Copolymer Bonded to the dielectric	<b>A-P-A-Cop</b>	100%	
<b>D. Braid</b> : Tinned copper wire Coverage : Visual coverage	<b>CuSn</b>	40%	
<b>E. Foil</b> : nastro Alluminum/Polyestere S Folded Bonded to the sheath	<b>Al2-S</b>	100%	
<b>F. Sheath</b> Not contaminating PVC lead free UV resistant	<b>Pvc</b>	5,00	±0,10

## Electrical Characteristics

<b>Impedance</b> :	75±1	Ω
<b>Capacitance</b> :	53±1	pF/m
<b>Velocity ratio</b> :	83	%
<b>Voltage test of dielectric</b> :	2	kVdc
<b>Voltage test of sheath</b> :	2	kVdc
<b>Resistance at 20° C</b>	Inner conductor	34 Ω/km
	Outer conductor	17 Ω/km

### Attenuation at 20° C

MHz	dB/100m	MHz	dB/100m	MHz	dB/100m	MHz	dB/100m
50	5,6	862	23,4	1750	34,1	3000	45,7
200	10,9	1000	25,3	2150	38,1		
450	16,6	1350	29,6	2400	40,4		

### Return Loss SRL

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

### Screening Efficiency

5-30	MHz	< 2 mOhm/m	30-1000	MHz	> 120 dB
			1000-2000	MHz	> 110 dB
			2000-3000	MHz	> 100 dB

## Mechanical Characteristics

<b>Minum static bending radius</b> :	30/60	mm
<b>Total weight</b> :	30,30	g/m
<b>Operating temperature</b> :	-40°C to +70°C	

# BETA CAVI