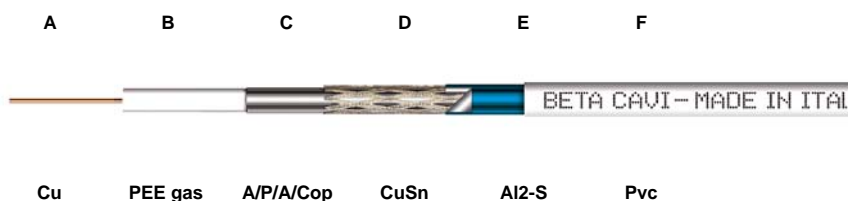




# N 29 B B<sup>3</sup> PVC 75 Ohm Coaxial Cable Drop Cable



Rev. July 7th 2005



Cu      PEE gas      A/P/A/Cop      CuSn      Al2-S      Pvc

## Construction and Dimensions

	materials	dimensions mm	tolerance mm
A. <b>Inner conductor</b> : Solid soft annealed copper	Cu	0,65	±0,009
B. <b>Dielectric</b> : Foam polyethylene gas injected	PEE gas	2,90	±0,05
C. <b>Outer conductor</b> Foil : Aluminum/Polyester/Aluminum/Copolymer Bonded to the dielectric	A-P-A-Cop	100%	
D. <b>Braid</b> : Tinned copper wire Coverage : Visual coverage	CuSn	45%	
E. <b>Foil</b> : nastro Alluminum/Polyestere S Folded Bonded to the sheath	Al2-S	100%	
F. <b>Sheath</b> Not contaminating PVC lead free UV resistant	Pvc	4,80	±0,10

## Electrical Characteristics

<b>Impedance</b> :		75±1	Ω
<b>Capacitance</b> :		54±1	pF/m
<b>Velocity ratio</b> :		82	%
<b>Voltage test of dielectric</b> :		2	kVdc
<b>Voltage test of sheath</b> :		2	kVdc
<b>Resistance at 20° C</b>	Inner conductor	52	Ω/km
	Outer conductor	21	Ω/km

### Attenuation at 20° C

MHz	dB/100m	MHz	dB/100m	MHz	dB/100m	MHz	dB/100m
50	6,9	862	28,4	1750	41,3	3000	55,3
200	13,4	1000	30,7	2150	46,2		
450	20,3	1350	36,0	2400	49,0		

### 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>Minumum static bending radius</b> :	25/50	mm
<b>Total weight</b> :	24,50	g/m
<b>Operating temperature</b> :	-40°C to +70°C	