

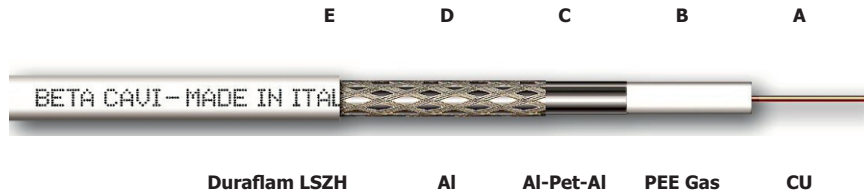


# NL 310H Duraflam LSZH 75 Ohm Coaxial Cable

DTH & TV satellite systems



Rev. 16 December 2016



## Construction and Dimensions

	materials	dimensions mm	tolerance mm
<b>A. Inner conductor</b> : Solid soft annealed copper	<b>Cu</b>	1,00	±0,012
<b>B. Dielectric</b> : Foam polyethylene gas injected	<b>PEE gas</b>	4,60	±0,05
<b>C. Outer conductor</b> Foil : Aluminum/Polyester/Aluminum	<b>Al/Pet/Al</b>	100%	
<b>D. Braid</b> : Aluminum wire Coverage : Visual coverage	<b>Al</b>	70%	
<b>E. Sheath</b> Duraflam LSZH UV Resistant	<b>Duraflam</b>	6,70	±0,10

## Electrical Characteristics

<b>Impedance</b> :	75±2	Ohm
<b>Capacitance</b> :	54±2	pF/m
<b>Velocity ratio</b> :	0,81	
<b>Voltage test of dielectric</b> :	2	kVdc
<b>Voltage test of sheath</b> :	2	kVdc
<b>Resistance at 20° C</b>		
Inner conductor	22	Kg/km
Outer conductor	27	Kg/km

### Attenuation at 20° C

MHz	dB/100m	MHz	dB/100m	MHz	dB/100m	MHz	dB/100m
50	4,6	862	19,7	1750	28,9	3000	38,8
200	9,1	1000	21,3	2150	32,3		
450	14,0	1350	25,1	2400	34,3		

### Return Loss SRL

5-470	MHz	> 30 dB
470-1000	MHz	> 28 dB
1000-3000	MHz	> 26 dB

### Screening Efficiency

30-1000	MHz	> 85 dB
1000-2000	MHz	> 80 dB
2000-3000	MHz	> 75 dB

## Mechanical Characteristics

<b>Minimum static bending radius</b> :	35/70	mm
<b>Total weight</b> :	40,6	Kg/Km
<b>Operating temperature</b> :	-40°C to +70°C	

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