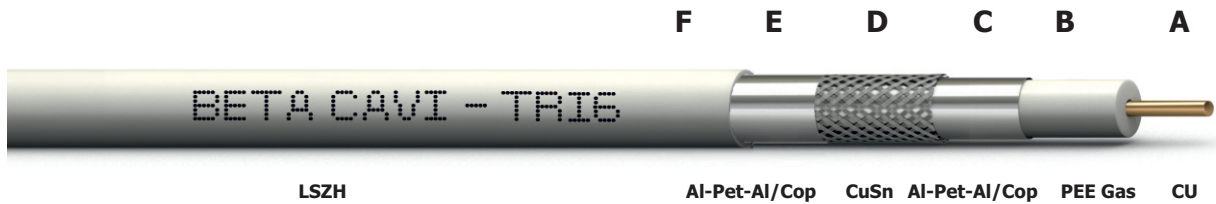




# TRI6 LSZH 75 Ohm Coaxial Cable



Rev. 29 Gennaio 2017



## 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 Bond</b>	100%	
<b>D. Braid :</b> Tinned copper wire Coverage : Visual coverage	<b>Cu Sn</b>	80%	
<b>E. Outer conductor</b> Foil : Aluminum/Polyester/Aluminum	<b>Al/Pet/Al Bond</b>	100%	
<b>F. Sheath</b> LSZH UV Resistant	<b>LSZH</b>	6,90	±0,20

## Electrical Characteristics

<b>Impedance :</b>		75±1	Ohm
<b>Capacitance :</b>		54±1	pF/m
<b>Velocity ratio :</b>		0,82	
<b>Voltage test of dielectric :</b>		2	kVdc
<b>Voltage test of sheath :</b>		2	kVdc
<b>Resistance at 20° C</b>	Inner conductor	22	Ohm/km
	Outer conductor	7,5	Ohm/km

Attenuation at 20° C							
MHz	dB/100m	MHz	dB/100m	MHz	dB/100m	MHz	dB/100m
50	4,2	862	18,4	1750	27,0	3000	36,4
200	8,6	1000	20,0	2150	30,3		
450	13,1	1350	23,5	2400	32,8		

Return Loss SRL		
5-470	MHZ	> 35 dB
470-1000	MHZ	> 33 dB
1000-3000		

Screening Efficiency		
30-1000	MHZ	> 110 dB
1000-2000	MHZ	> 100 dB
2000-3000	MHZ	> 95 dB

## Mechanical Characteristics

<b>Minumum static bending radius :</b>	35/70	mm
<b>Total weight :</b>	55	Kg/Km
<b>Operating temperature :</b>	-40°C to +70°C	

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