



Construction and Dimensions

	materials	dimensions mm	tolerance mm
A. Inner conductor : Solid soft annealed copper	Cu	1,13	±0,016
B. Dielectric : Foam polyethylene gas injected	PEE gas	4,80	±0,05
C. Outer conductor Foil : Aluminum/Polyester/Aluminum	Al/Pet/Al	100%	
D. Braid : Aluminum wire Coverage : Visual coverage	Al	68%	
E. Sheath Duraflam LSZH UV Resistant	Duraflam	6,80	±0,10

Electrical Characteristics

Impedance :	75±2	Ohm
Capacitance :	53±2	pF/m
Velocity ratio :	85%	
Voltage test of dielectric :	2	kVdc
Voltage test of sheath :	2	kVdc
Resistance at 20° C		
Inner conductor	34	Kg/km
Outer conductor	33	Kg/km

Attenuation at 20° C

MHz	dB/100m	MHz	dB/100m	MHz	dB/100m	MHz	dB/100m
50	4,4	862	17,9	1750	26,2	3000	35,2
200	8,4	1000	19,4	2150	29,3		
450	12,8	1350	22,8	2400	31,1		

Return Loss SRL

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

Transfer Impedance

5-30	MHz	< 15 mOhm/m
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Screening Efficiency

30-1000	MHz	> 90 dB
1000-2000	MHz	> 85 dB
2000-3000	MHz	> 75 dB

Mechanical Characteristics

Minumum static bending radius :	25/50	mm
Total weight :	39,50	Kg/Km
Operating temperature :	-40°C to +70°C	

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