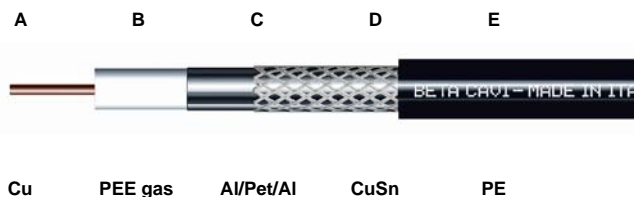




N 71 PE 75 Ohm Coaxial Cable Distribution Cable



Rev. 15 February 2005



Construction and Dimensions

	materials	dimensions mm	tolerance mm
A. Inner conductor : Solid soft annealed copper	Cu	1,63	±0,02
B. Dielectric : Foam polyethylene gas injected	PEE gas	7,10	±0,10
C. Outer conductor Foil : Aluminum/Polyester/Aluminum	Al/Pet/Al	100%	
D. Braid : Tinned copper wire Coverage : Visual coverage	CuSn	40%	
E. Sheath PE UV resistant	PE	9,80	±0,20

Electrical Characteristics

Impedance :	75±2	Ω
Capacitance :	53±2	pF/m
Velocity ratio :	0,84	pF/m
Voltage test of dielectric :	2	kVdc
Voltage test of sheath :	2	kVdc
Resistance at 20° C	Inner conductor	8,5 Ω/km
	Outer conductor	16 Ω/km

Attenuation at 20° C

MHz	dB/100m	MHz	dB/100m	MHz	dB/100m	MHz	dB/100m
50	2,9	862	12,2	1750	18,1	3000	24,7
200	5,6	1000	13,2	2150	20,3		
450	8,6	1350	15,6	2400	21,7		

Return Loss SRL

30-470	MHz	> 30 dB
470-862	MHz	> 28 dB
862-2400	MHz	> 26 dB

Screening Efficiency

5-30	MHz	> 65 dB
30-1000	MHz	> 80 dB
1000-2400	MHz	> 75 dB

Mechanical Characteristics

Minimum static bending radius :	50/100	mm
Total weight :	92,20	g/m
Operating temperature :	-40°C to +70°C	



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