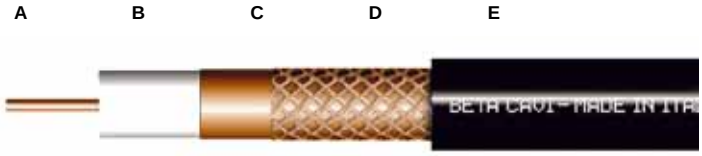
N 115 CU PE
75 Ohm Coaxial Cable
Trunk Cable

Rev. 01 March 2005



Construction and Dimensions

		materials	dimensions mm	tollerance mm
A.	**Inner conductor :** Solid soft annealed copper	**Cu**	2,70	±0,02
B.	**Dielectric :** Foam polyethylene gas injected	**PEE gas**	11,50	±0,10
C.	**Outer conductor**	**Cu/Pet**		
	Foil : Copper/Polyester		100%	
D.	**Braid :** Bare copper wire	**Cu**		
	Coverage : Visual coverage		52%	
E.	**Sheath**	**PE**	15,00	±0,20
	PE UV resistant			

Electrical Characteristics

Impedance :		75±2	Ω
Capacitance :		52±2	pF/m
Velocity ratio :		0,85	
Voltage test of dielectric :		2	kVdc
Voltage test of sheath :		2	kVdc
Resistance at 20° C	Inner conductor	3,0	Ω/km
	Outer conductor	6,0	Ω/km

Attenuation at 20° C

MHz	dB/100m	MHz	dB/100m	MHz	dB/100m	MHz	dB/100m
50	1,6	862	7,5	1750	11,4	3000	15,8
200	3,4	1000	8,2	2150	12,9		
450	5,2	1350	9,8	2400	13,8		

Return Loss SRL

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

Transfer Impedance

5-30	MHz	< 5 mOhm/m

Screening Efficiency

30-1000	MHz	> 95 dB
1000-2000	MHz	> 90 dB
2000-3000	MHz	> 80 dB

Mechanical Characteristics

Minumum static bending radius :	150	mm
Total weight :	175,30	g/m
Operating temperature :	-40°C to +70°C	

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