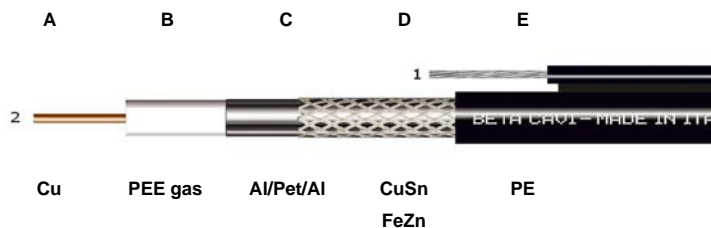




N 92 AL PE MSN 75 Ohm Coaxial Cable Distribution Cable



Rev. July 15th 2005



Construction and Dimensions

	materials	dimensions mm	tolerance mm
A. Inner conductor : Solid soft annealed copper	Cu	2,20	±0,02
B. Dielectric : Foam polyethylene gas injected	PEE gas	9,20	±0,10
C. Outer conductor Foil : Aluminum/Polyester/Aluminum	Al/Pet/Al	100%	
D1. Messenger : Stranded Galvanised steel Breaking strenght max 500Kg.	(FeZn)	7x0,80	
D2. Braid : Tinned copper wire Coverage : Visual coverage	CuSn	46%	
E. Sheath PE UV resistant Max. cable tensile strenght	PE N	12,7+5,3 4900	±0,20

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Electrical Characteristics

Impedance :	75±2	Ω
Capacitance :	52±2	pF/m
Velocity ratio :	85	%
Voltage test of dielectric :	2	kVdc
Voltage test of sheath :	2	kVdc
Resistance at 20° C	Inner conductor	4,5 Ω/km
	Outer conductor	12 Ω/km

Attenuation at 20° C

MHz	dB/100m	MHz	dB/100m	MHz	dB/100m	MHz	dB/100m
50	2,2	862	9,3	1750	13,8	3000	19,0
200	4,2	1000	10,1	2150	15,6		
450	6,5	1350	11,9	2400	16,6		

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	> 80 dB
1000-2000	MHz	> 80 dB
2000-3000	MHz	> 70 dB

Mechanical Characteristics

Minumum static bending radius :	130	mm
Total weight :	167,10	g/m
Operating temperature :	-40°C to +70°C	



PODJETJE ZA PROIZVODNJO,
TRGOVINO, STORITVE IN INŽENIRING
POD HRUŠEVCO 30, 1360 VRHNIKA
www.pro-saf.si pro.saf@siol.net

TEL: 01/750 28 28
FAX: 01/750 28 29

COAXIAL AND SPECIAL CABLES MANUFACTURING