Test Report

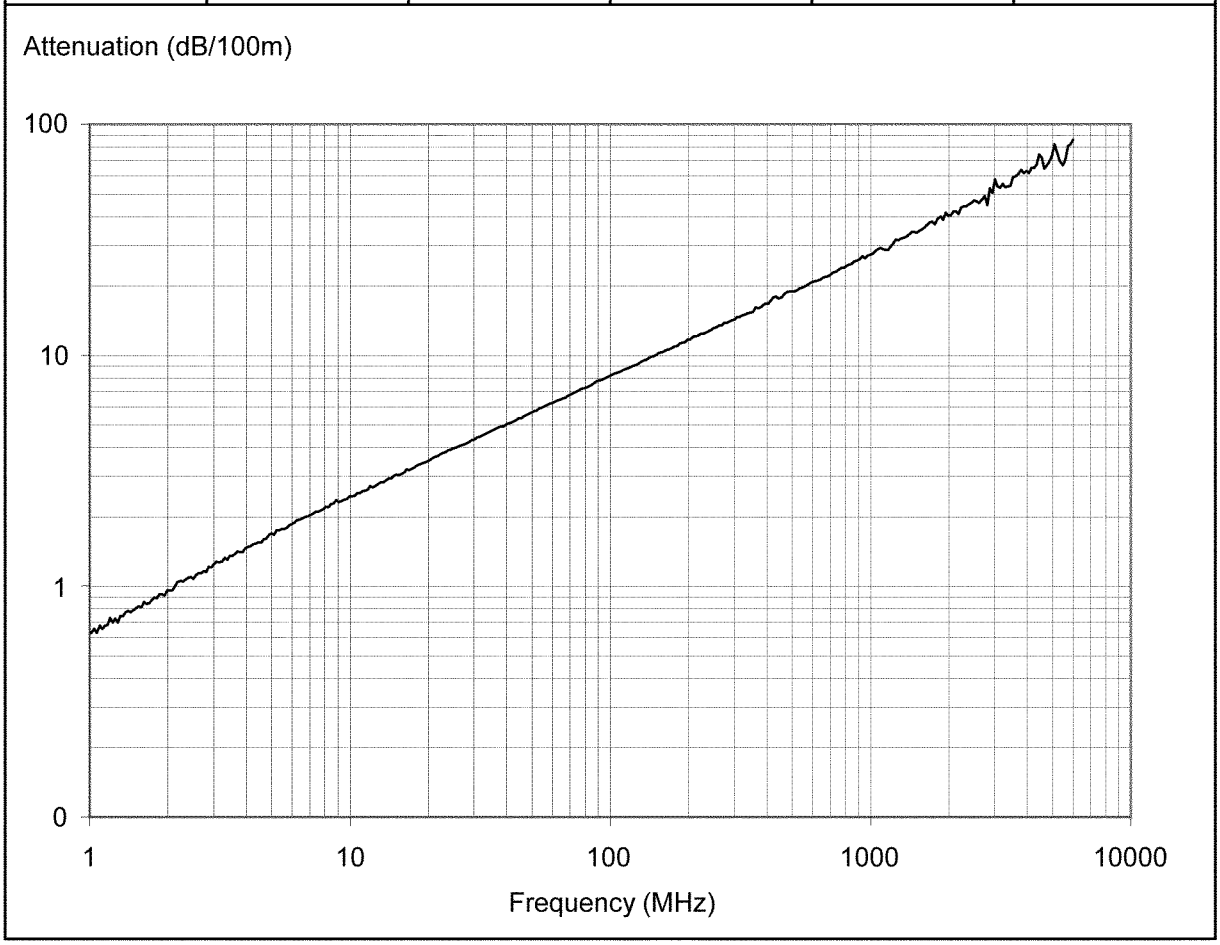
Habia Cable

Date	Art No	Cable Type	Prod No	Test Length
2009-08-19	3178900103	TZC 500 25 rev. D	090818042	10 m

Habia Cable Order No	Customer	Customer Reference
13873		

Test Description	Requirements Min	Nom	Max	Test Result
Capacitance (nF/km)		82		76,89
Impedance (Ohm)	48	50	52	49,0

Attenuation (dB/100m)	Test Result 10 MHz	400 MHz	1000 MHz	2000 MHz	3000 MHz
	2,448	16,70	27,32	40,31	57,01



Test Equipment: Network Analyzer HP8753D and RCL meter Fluke PM6304

The cable above have been tested in accodance with the following specification(s):
Habia Cable drawing No: 31789-001-03

CABLECONSTRUCTION	P / N :	51020
	REV :	1
DESIGNATION : HF 50 1,4/3,7 CE LSZH	PAGE:	1 (1)

GENERAL :	50 ohm coax with double shield and jacket of halogenfree, flame retardant compound. ERS P/N: TZC 500 25 Rev D	Total diam.	**5,70±0.20**	mm
		Total weight	**60**	kg/km
		Cu-weight	**42**	kg/km

GENERAL / MATERIAL / INFORMATION

Description :		Diameter :	
Inner conductor :	Silver plated Cu-wire 1.40 mm	**1.40**	mm
Dielectric :	PE Skin-foam-skin	**3.80 ±0.05**	mm
Braided screen 1 :	Silver plated Cu-wire 0.10 mm Optical coverage : 96%		
Braided screen 2 :	Silver plated Cu-wire 0.10 mm Optical coverage : 94%		
Jacket :	Halogenfree and Flame retardant compound Tube, nomwall : 0.50 mm Marking : Free of choice Colour : Black	**5.70 ±0.20**	mm
Spooling :	500 m		

Electrical properties at 20° C :

Impedance at	200 MHz	50±2	ohm	(nom)
Capacitance		82	pF/m	(nom)
Insulation resistance		100	Gohmxkm	(min)
Operating voltage		0,5	kV	(max)
Velocity of propagation		82	%	
Attenuation at	30 MHz	4.8	dB/100 m	(nom)
	200 MHz	12.6	- " " -	- " " -
	500 MHz	20.7	- " " -	- " " -
	1000 MHz	30.5	- " " -	- " " -
	3000 MHz	60	- " " -	- " " -

Mechanical properties :

Min. bending	30 mm	Static
radius :	60 mm	Dynamic
Temp. range :	-40 to +85°C	

Flame retardancy acc. to IEC 332-1
Halogenfree acc. to IEC 754-2

Approvals : UL-approved according to Appliance Wiring Material, subject 758.

Rev.	Date :	Change :	Sign. :
	950407	New	MG
1	20010316	Updated	UO