IDEAL INDUSTRIES, Inc. Certified - LanTEK Test Report

Job Name: VEMCO
Company: VEMCO

Report Date: Monday, November 09, 2009 10:20 AM
Version: 1.0.1.7

Summary:

All Cables	Twisted Pair	Coax/Twinax	Fiber
Total: 2	Total: 2	Total: 0	Total: 0
Pass: 2	Pass: 2	Pass: 0	Pass: 0
Fail: 0	Fail: 0	Fail: 0	Fail: 0
Tot. Length: 131,0m	Tot. Length: 131,0m	Tot. Length: 0m	Tot. Length: 0m

Pass

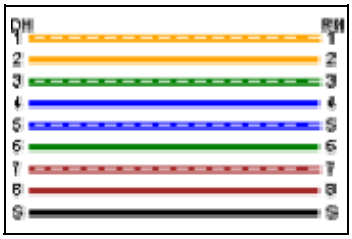
Test Name: K10014
Test Limit: Cat 6a 500 STP Perm
Test Date: 11/3/2009
Test Time: 18:12:21
Adapter ID: 6004
User Notes: Kabel poziomy I pietro, pokój 14

NVP: 72
LANTEK II-1000 [917192/917240]
Firmware 1.003

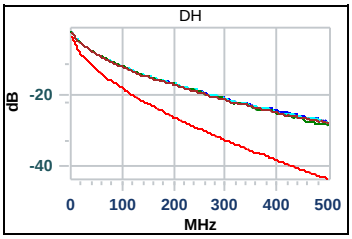
Standard: TIA 568-B.2-10
Frequency Range: 1 - 500MHz
Operator: Krzysztof Nowak
Contractor: VEMCO
Company: VEMCO

	Result	Worst Case Value	DH/RH	Pairs	Limit	Margin	Worst Overall Value	Limit	Margin
Wiremap	Pass	N/A		N/A	N/A	N/A			
Length	Pass	65,5 m.		5,4	90,0 m.	24,5 m.			
DC Resistance	Pass	8,5 ohms		7,8	20,0 ohms	11,5 ohms			
Propagation Delay	Pass	309,5 ns		7,8	498,0 ns	188,5 ns			
Delay Skew	Pass	5,9 ns		7,8	498,0 ns	492,1 ns			
Insertion Loss	Pass	2,3 dB @ 3,1MHz	DH	7,8	< 3,1 dB	0,8 dB	28,3 dB @ 499,0MHz	< 43,9 dB	15,6 dB
Return Loss	Pass	12,1 dB @ 410,0MHz	DH	3,6	> 8,0 dB	4,1 dB	20,1 dB @ 408,0MHz	> 8,0 dB	12,1 dB
NEXT	Pass	30,9 dB @ 500,0MHz	DH	7,8-5,4	> 26,7 dB	4,2 dB	49,4 dB @ 439,0MHz	> 28,5 dB	20,9 dB
ACR-N	Pass	50,6 dB @ 58,8MHz	DH	3,6-1,2	>= 32,0 dB	18,6 dB	23,4 dB @ 439,0MHz	>= -12,2 dB	35,6 dB
ACR-F	Pass	67,6 dB @ 1,0MHz	DH	3,6-5,4	> 64,2 dB	3,4 dB	45,9 dB @ 441,0MHz	> 11,3 dB	34,6 dB
Headroom	Pass	43,8 dB		N/A	N/A	N/A			
PS NEXT	Pass	29,3 dB @ 496,0MHz	RH	3,6	> 23,8 dB	5,5 dB	35,3 dB @ 500,0MHz	> 23,7 dB	11,6 dB
PS ACR-N	Pass	48,3 dB @ 58,8MHz	DH	1,2	> 29,0 dB	19,3 dB	8,2 dB @ 500,0MHz	> -20,2 dB	28,4 dB
PS ACR-F	Pass	66,9 dB @ 1,0MHz	DH	3,6	> 61,2 dB	5,7 dB	34,6 dB @ 367,0MHz	> 9,9 dB	24,7 dB

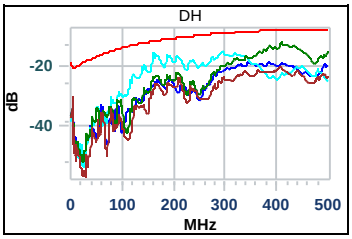
Wiremap

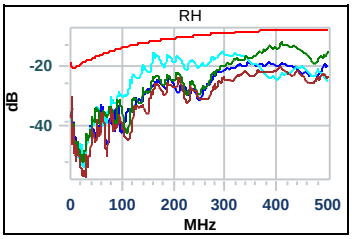


Insertion Loss



Return Loss





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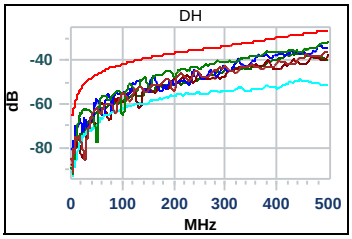
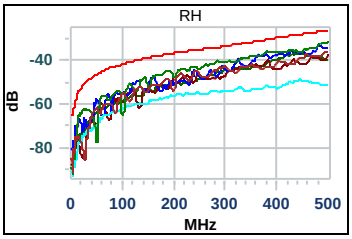
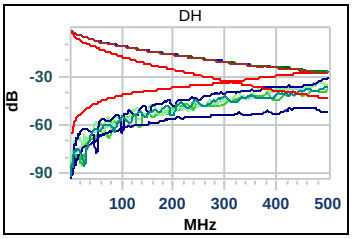
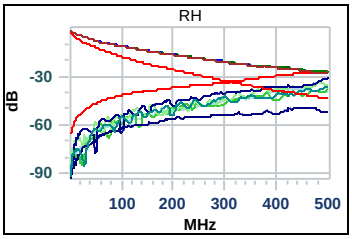


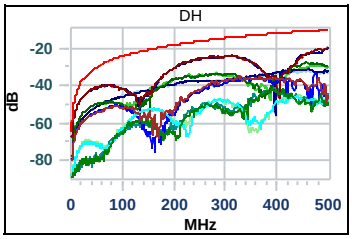


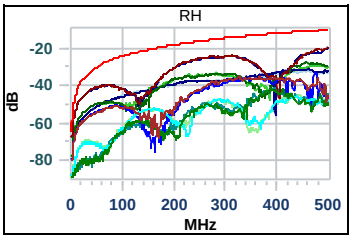
ACR-N





ACR-F





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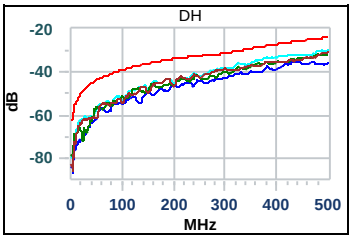

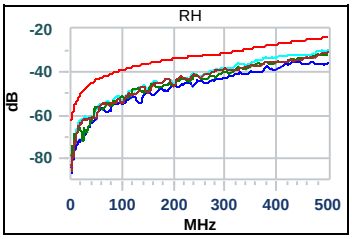

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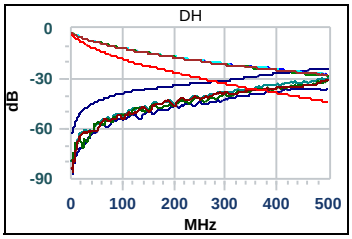
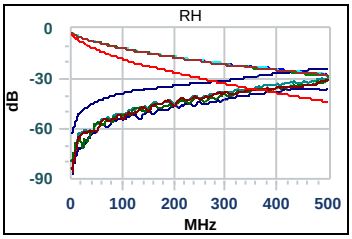
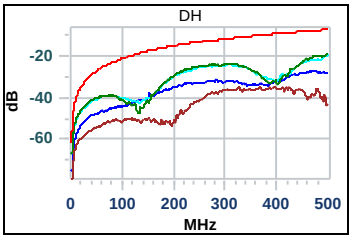
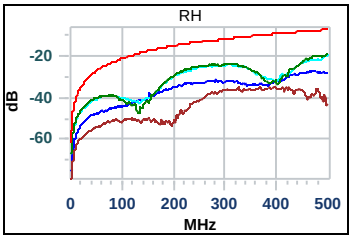




PS ACR-F





IDEAL INDUSTRIES, Inc. Certified - LanTEK Test Report

Job Name: VEMCO
Company: VEMCO

Report Date: Monday, November 09, 2009 10:22 AM
Version: 1.0.1.7

Pass

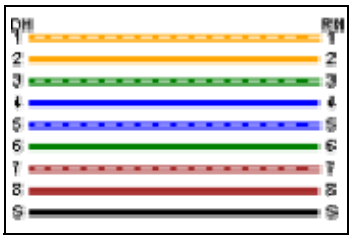
Test Name: K20003
Test Limit: Cat 6-250 STP Perm
Test Date: 11/3/2009
Test Time: 18:12:21
Adapter ID: 6004
User Notes: Kabel poziomy II pietro, pokój 03

NVP: 72
LANTEK II-1000 [917192/917240]
Firmware 1.003

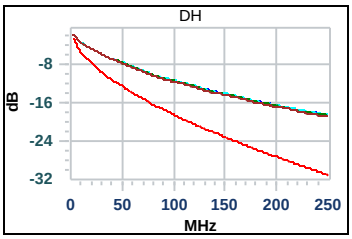
Standard: TIA 568-B.2
Frequency Range: 1 - 250MHz
Operator: Krzysztof Nowak
Contractor: VEMCO
Company: VEMCO

	Result	Worst Case Value	DH/RH	Pairs	Limit	Margin	Worst Overall Value	Limit	Margin
Wiremap	Pass	N/A		N/A	N/A	N/A			
Length	Pass	65,5 m.		5,4	90,0 m.	24,5 m.			
DC Resistance	Pass	8,5 ohms		7,8	20,0 ohms	11,5 ohms			
Propagation Delay	Pass	309,5 ns		7,8	498,0 ns	188,5 ns			
Delay Skew	Pass	5,9 ns		7,8	498,0 ns	492,1 ns			
Insertion Loss	Pass	2,3 dB @ 3,1MHz	DH	7,8	< 3,1 dB	0,8 dB	19,0 dB @ 250,0MHz	< 31,1 dB	12,1 dB
Return Loss	Pass	15,1 dB @ 162,5MHz	DH	5,4	> 11,9 dB	3,2 dB	25,1 dB @ 188,5MHz	> 11,2 dB	13,9 dB
NEXT	Pass	41,7 dB @ 250,0MHz	DH	7,8-5,4	> 35,3 dB	6,4 dB	55,8 dB @ 249,5MHz	> 35,4 dB	20,4 dB
ACR-N	Pass	50,4 dB @ 58,8MHz	DH	3,6-1,2	>= 31,7 dB	18,7 dB	36,8 dB @ 249,5MHz	>= 4,3 dB	32,5 dB
ACR-F	Pass	67,6 dB @ 1,0MHz	DH	3,6-5,4	> 64,2 dB	3,4 dB	52,3 dB @ 164,5MHz	> 19,9 dB	32,4 dB
Headroom	Pass	43,6 dB		N/A	N/A	N/A			
PS NEXT	Pass	40,1 dB @ 239,0MHz	DH	5,4	> 32,7 dB	7,4 dB	44,1 dB @ 250,0MHz	> 32,3 dB	11,8 dB
PS ACR-N	Pass	48,1 dB @ 58,8MHz	DH	1,2	> 28,7 dB	19,4 dB	25,5 dB @ 250,0MHz	> 1,2 dB	24,3 dB
PS ACR-F	Pass	66,9 dB @ 1,0MHz	DH	3,6	> 61,2 dB	5,7 dB	41,6 dB @ 250,0MHz	> 13,2 dB	28,4 dB

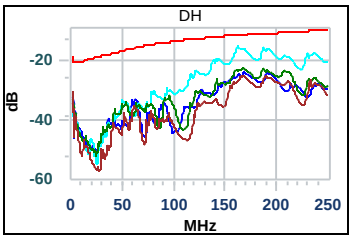
Wiremap

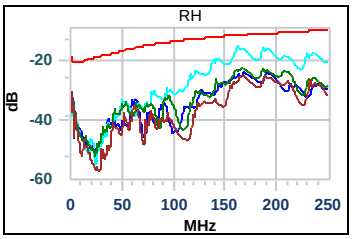


Insertion Loss

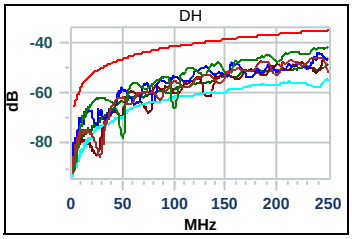


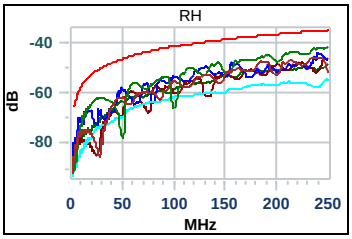
Return Loss



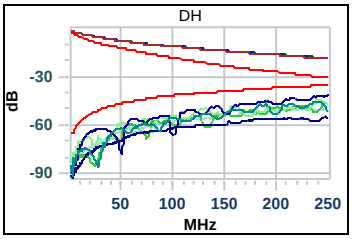


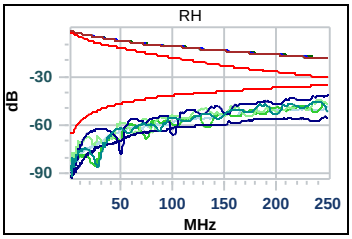
NEXT



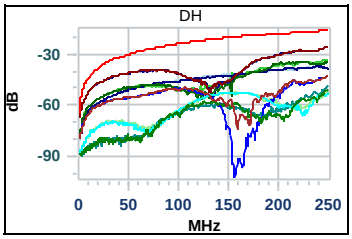


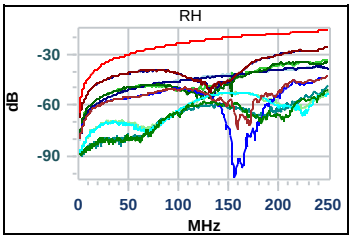
ACR-N



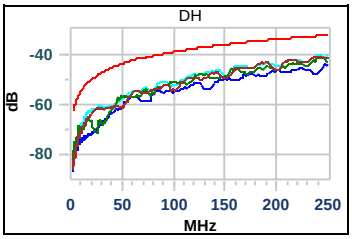


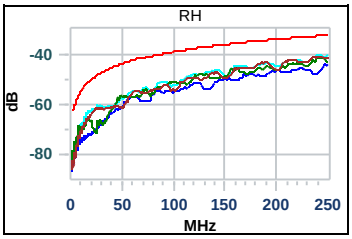
ACR-F



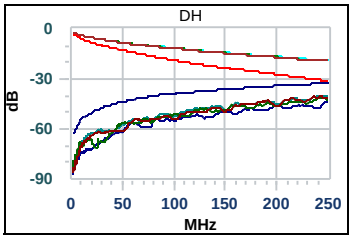


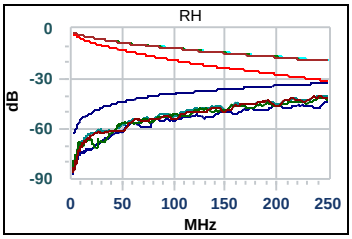
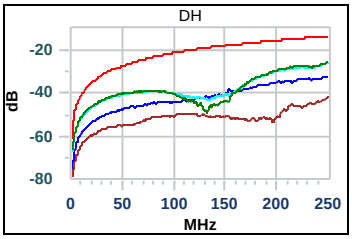
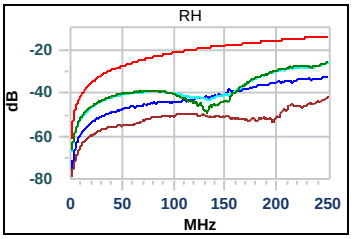
PS NEXT





PS ACR-N





PS ACR-F