www.ashcomms.com

ASH-GIGE-2100/2110

Tool-Less Gigabit Ethernet Connectors

Benefits:

- Fast, accurate and reliable termination of Gigabit Ethernet cables
- Locate and terminate all 8 wires using easy colour codes
- Detachable wiring bridge for ease of use
- Robust snap fit outer casing
- Re-enter / reusable
- No expensive specialist tools required
- Does not affect signal quality or level

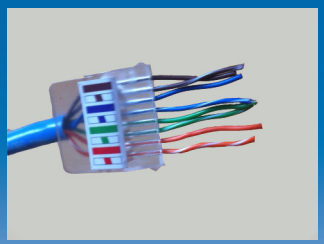
Part No.	Description
ASH-GIGE-2100	Tool-less connector with lead & male RJ45
ASH-GIGE-2110	Tool-less connector with female RJ45 socket
ASH-GIGE-2120	Tool-less coupler with twin female RJ45

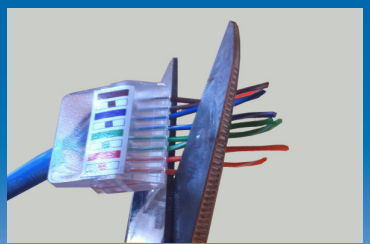
How to Terminate:

- Strip 40mm of outer jacket from the cable
- Separate each twisted pair
- Remove the cable bridge from the adapter
- Insert wires to match colour codes
- Push the cable as far as possible into the bridge
- Trim off excess cable
- Insert the bridge into the adapter
- Close the lid

Description:

These innovative tool-less connectors provide a simple and re-usable solution to terminate RJ45 connectors and sockets without the requirement for specialised tooling or expert knowledge.





Typical Applications:

Smart / IP TV's - Fast, reliable connections using Cat5e/Cat6 - Ideal for new Managed QoS / VOD services
Games Consoles - For faster connection speed, better online performance and none of the the signal issues associated with wireless
Media Server to set top box connection. For fast uninterupted video streaming and high quality delivery
Wireless Extenders - Run a reliable Cat5e / Cat6 to a wireless extender to get reliable wireless coverage throughout the home
Home Offices - Fast constant network connection to a home office for video conferencing, VPN and Skype calling
Home surveillance / monitoring - HD CCTV for in home monitoring, security and surveillance

Asheridge Communications Ltd, UK Tel: +44 (0) 1494 794770 Spain Tel: +34 915 716 909 Email : sales@ashcomms.com

E&OE

asheridge

ASH-GIGE-2100/2110

Tool-Less Gigabit Ethernet Connectors

Cable ID: 124

Test Summary: PASS

Date / Time: 2012/03/01 09:18:46
Headroom: 5.7 dB (NEXT 12-36)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e
Fault Anomaly Threshold: 15%

Operator: DWH
Software Version: 1.925
Limits Version: 5.17
NVP: 69.0%
Shield Test: N/A

Model: DSP-4300
Main S/N: 8665011
Remote S/N: 8665011
Main Adapter: LIA 013
Remote Adapter: LIA 012

Wire Map	1 2 3 4 5 6 7 8 S
PASS	| | | | | | | |
	1 2 3 4 5 6 7 8

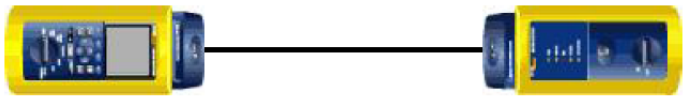
Length (m), Limit 100.0	[Pair 45]	98.9
Prop. Delay (ns), Limit 555	[Pair 12]	491
Delay Skew (ns), Limit 50	[Pair 12]	13
Resistance (ohms)		N/A
Insertion Loss Margin (dB)	[Pair 12]	2.7
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0

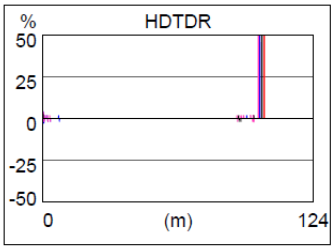
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	12-36	36-45
NEXT (dB)	5.7	8.8	5.7	12.5
Freq. (MHz)	52.0	4.7	52.0	82.4
Limit (dB)	35.0	52.4	35.0	31.5
Worst Pair	36	36	36	36
PSNEXT (dB)	8.1	10.6	8.1	13.7
Freq. (MHz)	52.0	6.2	52.0	82.2
Limit (dB)	32.0	47.5	32.0	28.5

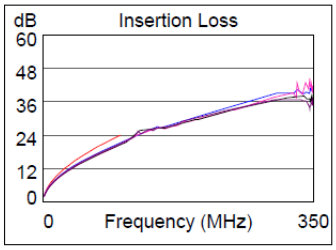
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ELFEXT (dB)	10.4	10.4	12.9	12.5
Freq. (MHz)	52.2	52.2	91.8	88.0
Limit (dB)	23.1	23.1	18.1	18.5
Worst Pair	45	36	36	36
PSELFEXT (dB)	12.8	12.9	14.3	15.0
Freq. (MHz)	52.2	52.2	92.0	99.6
Limit (dB)	20.1	20.1	15.1	14.4

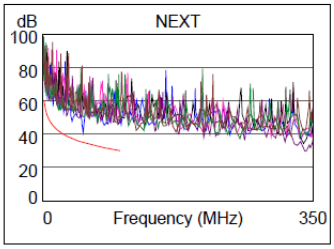
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-45	36-78
ACR (dB)	8.1	9.3	18.8	18.9
Freq. (MHz)	51.8	4.7	99.8	97.6
Limit (dB)	18.2	47.6	6.1	6.5
Worst Pair	12	36	78	36
PSACR (dB)	10.3	11.4	19.0	17.0
Freq. (MHz)	51.8	6.2	97.2	82.4
Limit (dB)	15.2	41.9	3.6	6.8

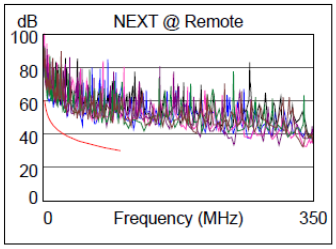
PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	78	45
RL (dB)	9.3	8.9	9.3	9.2
Freq. (MHz)	100.0	2.4	100.0	83.2
Limit (dB)	10.0	17.0	10.0	10.8

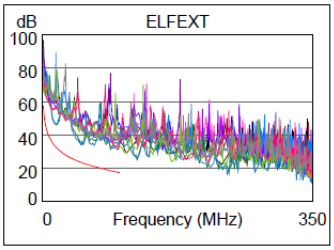


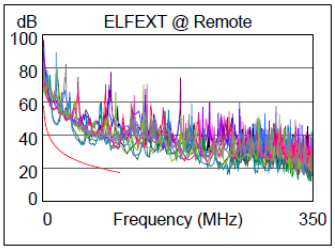


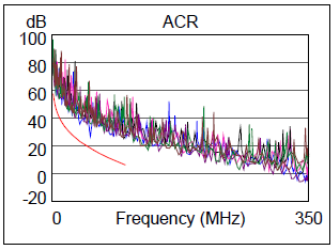


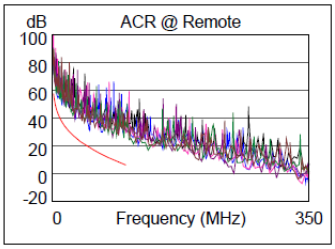


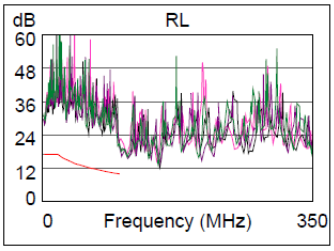


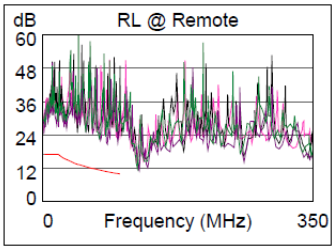












Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

the connected advantage

Asheridge Communications Ltd, UK Tel: +44 (0) 1494 794770 Spain Tel: +34 915 716 909 Email : sales@ashcomms.com

E&OE