



GigaBand is the premium product group within the HellermannTyton Network Sciences cabling system.

Designed to meet the exacting standards of mission critical installations where network down time and poor system performance area not a possibility. The individual modular design of the GigaBand system allows for uncompromised performance and quality.

GigaBand outlets offer exceptional Category 6 performance and are available in either standard (25 x 50) or high density(50 x 50) format. Importantly, they are also backward compatible with Category 5E and Category 5 products and systems.

The high density GigaBand HD (Triple) outlets present three individual modules within a standard single or double fascia and offer the same Category 6 performance as the GigaBand outlets.

Produced in the HellermannTyton UK production facility under exacting ISO9000-2000 quality standards, the GigaBand system offers the end-user the perfect combination of Price, performance and Quality.

Technical Description

GigaBand outlets are available in both a proprietary and industry standard mounting, enabling two outlets to be fixed in an 86mm by 86mm face plate (single gang), or four outlets in a double gang fascia.

The PCB's used within these outlets are also interchangeable with either GigaBand or GigaBand HD (Triple) Patch Panels for installation flexibility.

GigaBand Triple RJ45 modular telecommunications outlets are available both fully or partially loaded enabling three outlets to be mounted on our

Features and Benefits

- **Individual port modules**
- **568A or 568B wiring options**
- **Triple outlet features 3 shuttered modular RJ45 outlets in a single gang fascia (86mm x 86mm)**
- **Customised product facia available**
- **Can be supplied totally or partially loaded**
- **Meets all ISO/TIA Category 6 performance standards**
- **Backward compatible with Cat 5E and 5**
- **Accepts Krone and 110 punch down tools**
- **Available in UTP and FTP versions**
- **Patented slide label system+ software available**
- **Jack life min. 1000 insertions**
- **Max. of two wires per IDC contact (same gauge)**
- **Wire gauge 22 - 24 AWG**
- **Colour options**
- **Rear cable tie point**

86mm by 86mm face plate (single gang) or six outlets in the double gang fascia.

To ensure that the PCB cannot be removed by accident the individual PCB modules used within both GigaBand and GigaBand HD outlets are mounted within a plastic moulding. Also, a plastic cable management loop with a wire colouring and numbering label is secured to the rear of the PCB, ensuring error free termination.

The 'Alpha Label' software package enables straight forward port labelling.

Ordering Codes:

AS08IDC NGB	Loaded single Category 6 outlet
ASFP03-0108KB NGB	Loaded Triple High Density Category 6 Outlet

Dimensions and Product Construction Specification

Ordering Code	Height	Width	Depth	Weight (Approx.)
AS08IDC NGB	50mm	25mm	35mm	29g
ASFP03-0108KB NGB	50mm	50mm	33.5mm	40g

- Jack life min. 1000 insertions
- IDC Life up to 50 re-insertions
- Max. of two wires per IDC contact (same gauge)
- Wire gauge 22 - 24 AWG
- Module material—PC/ABS

Applications Supported

GigaBand Category 6 products are designed for use in any voice and data guaranteed cabling site under the HellermannTyton Network Sciences package and will support both Gigabit Ethernet and ATM 622 over copper with total reliability. GigaBand and GigaBand HD patch panels will also deliver positive ACR at 400 MHz when

used in conjunction with HellermannTyton Network Sciences Category 6 approved cable. These products also offers enhanced performance for video applications attributed to its return loss and next performance. The patch panels allow users total flexibility between host and user devices within the

Protocol	Common Pairs	Bit Rate	Bandwidth	Cabling Class used*
Analogue Voice Systems	1	Analogue	< 1MHz	Category 5 (Class D)
Digital Voice Systems	1	Analogue	< 1MHz	Category 5 (Class D)
ISDN	1 & 3	64/128Kbits	< 1MHz	Category 5 (Class D)
ICL	2 & 4	1Mbits	<16MHz	Category 5 (Class D)
10BaseT	2 & 3	10Mbits	16MHz	Category 5 (Class D)
4/16 Mbit Token Ring	1 & 3	4/16Mbits	20MHz	Category 5 (Class D)
100BaseT	2 & 3	100Mbits	32MHz	Category 5 (Class D)
100BaseT4	1, 2, 3 & 4	100Mbits	16MHz	Category 5 (Class D)
155 ATM	2 & 4	155Mbits	100MHz	Category 5E (Class D-2000)
AS400	1 & 2	2Mbits	<16MHz	Category 5 (Class D)
IBM 3270	1 & 2	1Mbits	<16Mhz	Category 5 (Class D)
Baseband Video CCTV, etc.	1	Analogue	<10MHz	Category 5 (Class D)
Building Management Systems	1, 2, 3 & 4	Analogue	<1MHz	Category 5 (Class D)
1000BaseTx	1, 2, 3 & 4	1Gbits	100MHz	Category 5E (Class D-2000)
1000BaseT	2&3	1Gbits	200MHz	Category 6 (Class E-2000)

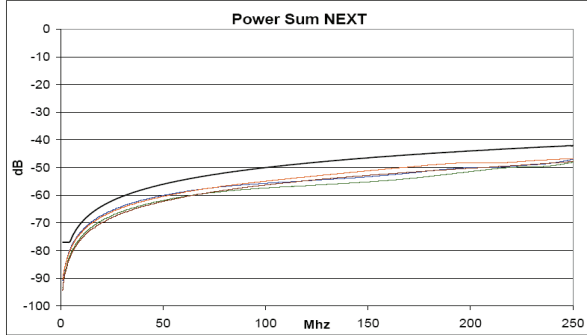
GigaBand RJ45 Outlets

Connecting Hardware Test

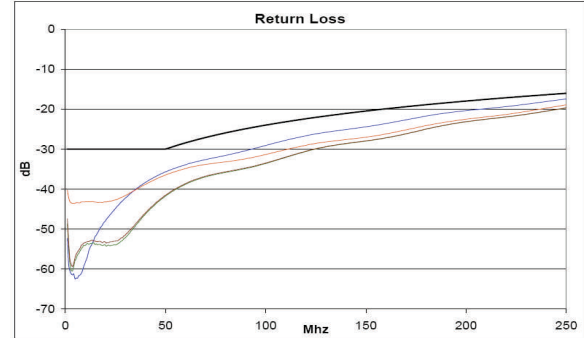
(Outlet only)

Tested from: 1 MHz
 Tested to: 250 MHz
 Standard: ANSI/TIA/EIA 568-B.2
 Limits: Category 6 - Connector

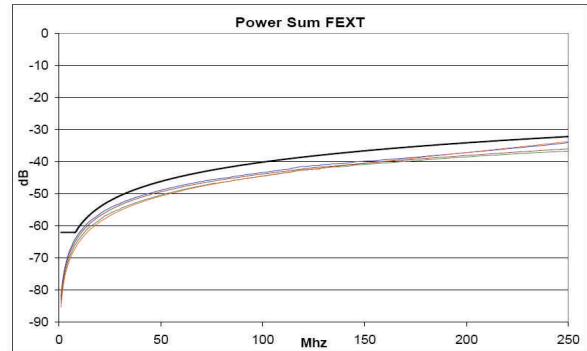
PS NEXT



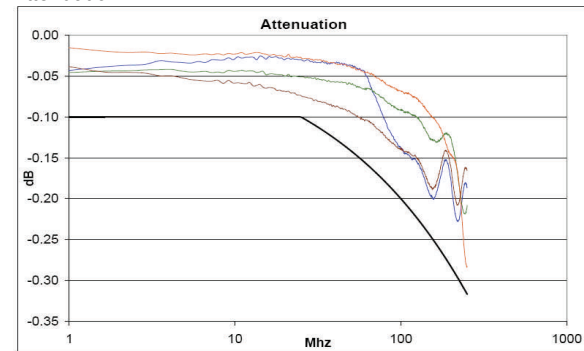
Return Loss



PS FEXT



Attenuation



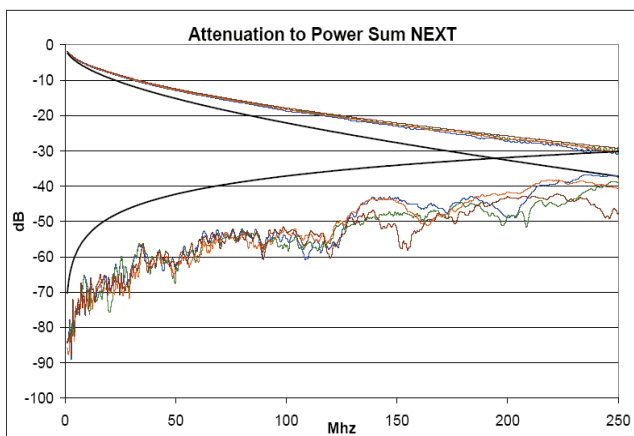
Channel Test

(Patch Cable, Patch Panel, Cable, Outlet & Patch Cable)

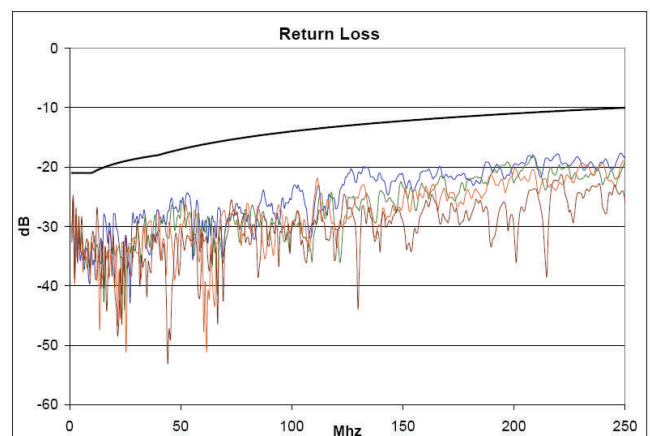
Tested from: 1 MHz
 Tested to: 250 MHz
 Standard: ANSI/TIA/EIA 568-B.1
 Limits: Category 6 - Link

Each of the outlets circuit boards interconnect the high performance RJ45 jack to the IDC blocks, providing performance which when installed with HellermannTyton's category 6 cable easily exceeds the TIA Category 6 and ISO/IEC Class E performance standards.

Channel PS NEXT & Attenuation



Channel Return Loss



ISO 14001



Certificate No. EMS 504454

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