

Alpha Snap RJ45 Outlets



Alpha Snap is the premium Category 5E 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 are not a possibility. The individual modular design of the Alpha Snap system allows for uncompromised performance and quality.

Alpha Snap outlets offer exceptional Category 5E 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 5 and voice products and systems.

The high density Alpha Snap HD (Triple) outlets present three individual modules within a standard single or double fascia and offer the same Category 5E performance as the Alpha Snap outlets.

Produced in the HellermannTyton UK production facility under exacting ISO9000-2000 quality and 14001 environmental standards, the Alpha Snap system offers the end-user the perfect combination of Price, performance and Quality.

Technical Description

Alpha Snap 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 Alpha Snap or Alpha Snap HD (Triple) Patch Panels for installation flexibility.

Alpha Snap Triple RJ45 modular telecommunications outlets are available both fully or partially loaded enabling three outlets to

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 fascia available
- Can be supplied totally or partially loaded
- Meets all ISO/TIA Category 5E performance standards
- Backward compatible with Cat 5 and Voice
- Accepts Krone 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

be mounted on our 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 Alpha Snap and Alpha Snap 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.

Category 5E

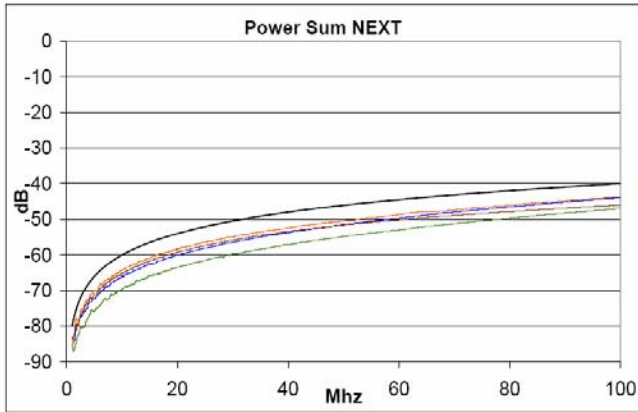
Alpha Snap RJ45 Outlets

Connecting Hardware Test

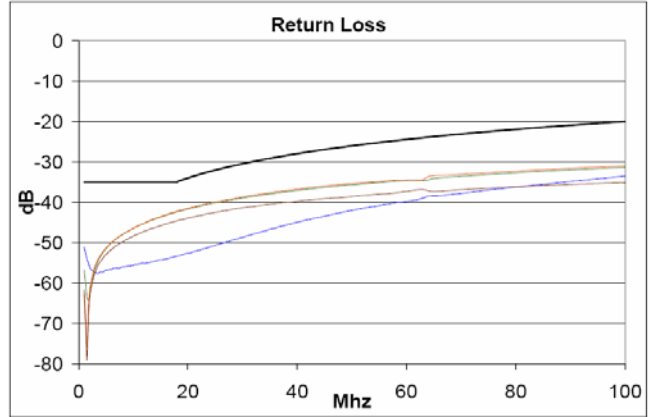
(Patch Panel only)

Tested from: 1 MHz
Tested to: 101 MHz
Standard: ANSI/TIA/EIA 568-B.2
Limits: Category 5E - Connector

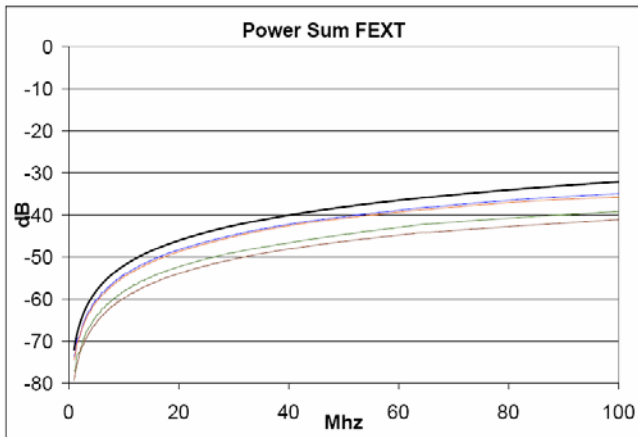
PS NEXT



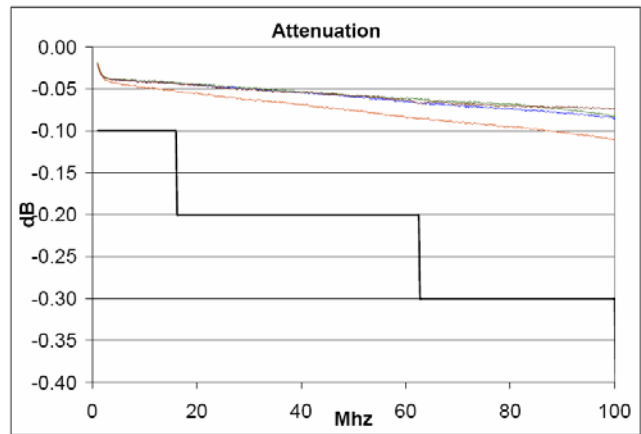
Return Loss



PS FEXT



Attenuation



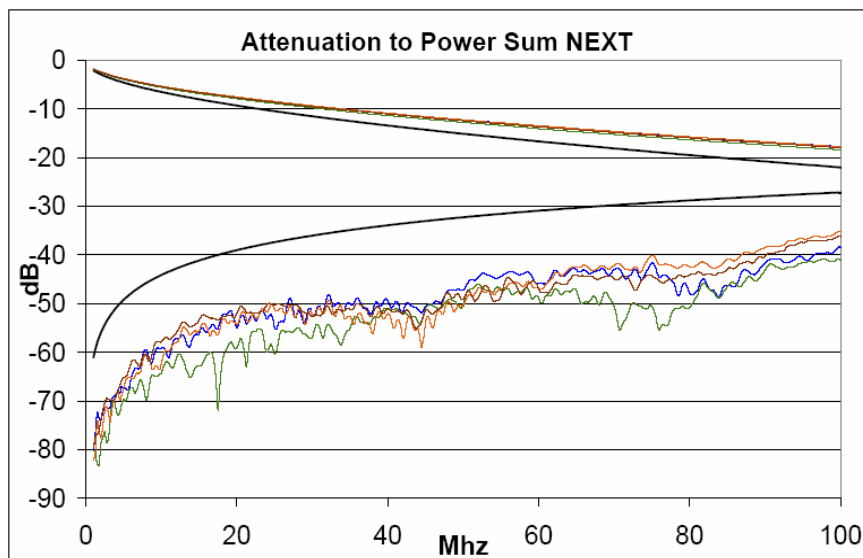
Permanent Link Test

(Cable, Patch Panel, Outlet & Transition Point)

Tested from: 1 MHz
Tested to: 101 MHz
Standard: ANSI/TIA/EIA 568-B.1
Limits: Category 5E - Link

Each of the circuit boards interconnect the high performance RJ45 jack to the IDC blocks, providing performance which when installed with HellermannTyton's category 5E cable easily exceeds the TIA Category 5E and ISO/IEC Class D performance standards.

Link PS NEXT & Attenuation



Category 5E

Alpha Snap RJ45 Outlets

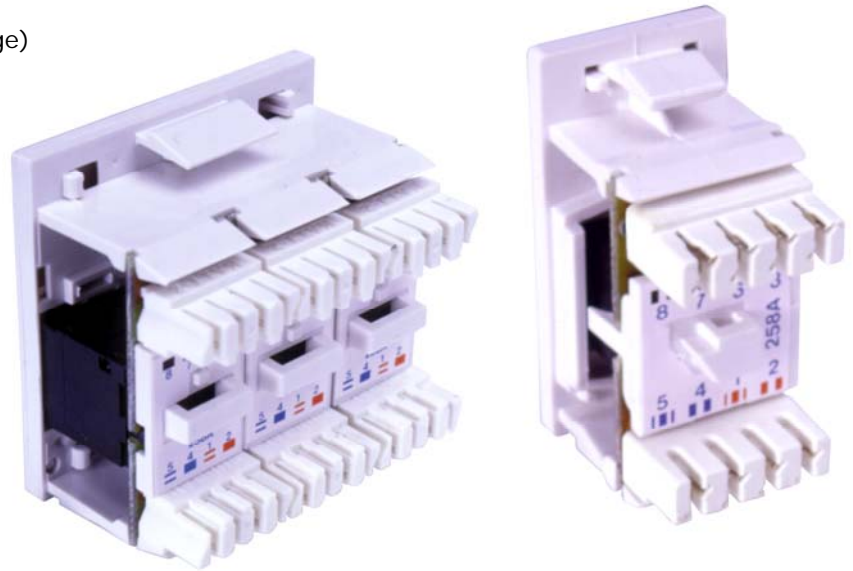
Ordering Codes:

AS08KBC5E/WH	Loaded single Category 5E outlet
ASFP03-0308KBC5E/WH	Loaded Triple High Density Category 5E Outlet

Dimensions and Product Construction Specification

Ordering Code	Height	Width	Depth	Weight (Approx.)
AS08KBC5E/WH	50mm	25mm	35mm	29g
ASFP03-0308KBC5E/WH	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



Applications Supported

Alpha Snap products are designed for use in any data or voice cabling system that is capable of running over a Category 5E system. The patch panel allows total flexibility between host and user devices within the cabling network and can support many different known high performance and legacy protocols by the use of baluns or adapters. Alpha Snap's enhanced performance is ideal for video applications attributed to its superior impedance and NEXT performance.

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)

ISO 14001



Certificate No. EMS 504454

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ISO 9001



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