

## HellermannTyton introduce Deca<sup>10</sup> the world's first Category 6A pre-terminated solution.



As a leader of innovation in networking infrastructure, HellermannTyton has continued the development of its RapidNet solution to now include Category 6A.

This shielded solution gives all the benefits of RapidNet with quick installation time, terminations which have been carried out under factory conditions and tested before being sent to site both of which help to give consistency in performance and installation, while offering the benefits of higher speeds; a fully shielded installation.



### Why a shielded solution?

HellermannTyton have decided to initially offer a shielded solution for various reasons, currently (Feb'2008) the Cat 6A standard is yet to be ratified by either the TIA or ISO, this means that the standard may yet change; by using a shielded solution we are able to offer performance levels well above the current standards levels which should safe guard against any changes to the standard. A shielded solution also gives improved performance results against a UTP solution on all standard measurements

such as NEXT, FLEXT, and Alien Crosstalk.

Finally with the ever increasing demands on space a shielded solution allows for a higher density of cabling in cable runs and comms rooms means less space is taken up in the installation.



### Key features

- Complies with the latest (draft 10) release of the EN\_xxxxxx Category 6 Augmented standard.
- High speed protocols upto  $10 \times 10^{10}$  (10,000,000,000)bps at 500MHz.
- 360° shielded individual connectors ensure all round protection from Alien signals.
- Backward compatibility with Cat 6, Cat5e and Cat 5 for integration into existing installations.
- 24 ports per 1U of panel space, through 4 pre-terminated and tested cassettes aids the installation time.
- Standard RJ45 interface means that no special connectors are required.
- Integral grounding system built into the panel.

## Part numbers

RapidNet	
<b>Part number</b>	<b>Description</b>
RN06G6A-CACAXX-□□.□M	RapidNet loom, Cat 6A, shielded, cassette to cassette, <i>specify length</i>
RN06G6A-CAKJXX-□□.□M	RapidNet loom, Cat 6A, shielded, cassette to Separate Keystone Jacks, <i>specify length</i>
RN06G6A-PAXXXX-XX.XXX	RapidNet panel, shielded with integral earthing system



Keystone Jacks	
<b>Part number</b>	<b>Description</b>
KSJ08SC6A	Keystone Jacks, (order multiples 10 in a box)
Panel	Keystone Jack fixed panel, for 24 keystones, with integral earthing system and cable management
Tool	Keystone Jack termination tool, for terminating all 8 cable elements in the Keystone at the same time.



Cable and patch cords	
<b>Part number</b>	<b>Description</b>
Individual cable	Bulk cable, S-FTP 500m drums for use with individual keystone jacks
	Patch cord, shielded S-FTP cable, 1.0m length
	Patch cord, shielded S-FTP cable, 2.0m length
	Patch cord, shielded S-FTP cable, 3.0m length
	Patch cord, shielded S-FTP cable, 4.0m length
	Patch cord, shielded S-FTP cable, 5.0m length

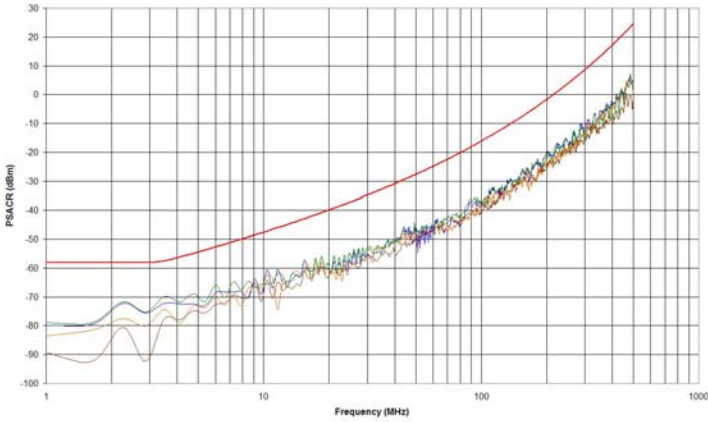


## Chanel test results

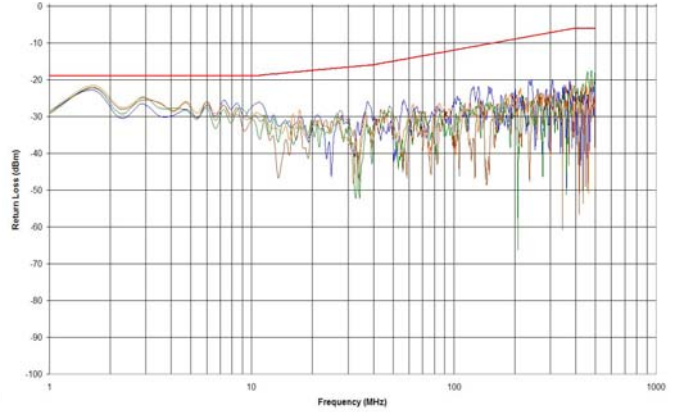
HellermannTyton's Deca<sup>10</sup> Cat 6A range is a full 360° shielded system, this means that there are minimal effects from Alien cross talk.

Limit lines used in these graphs are to the latest draft release (ver 10) of TIA standard 568

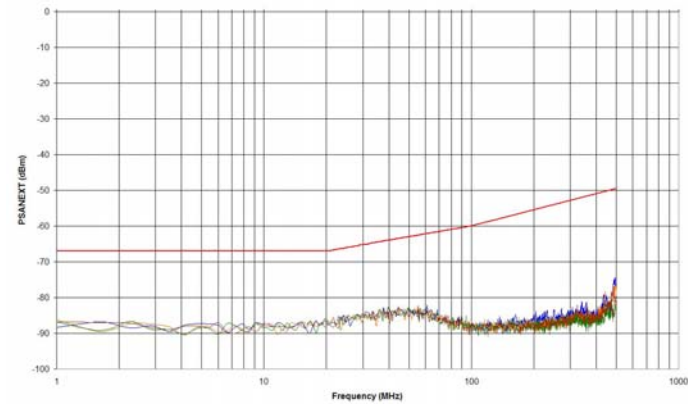
Powersum ACR



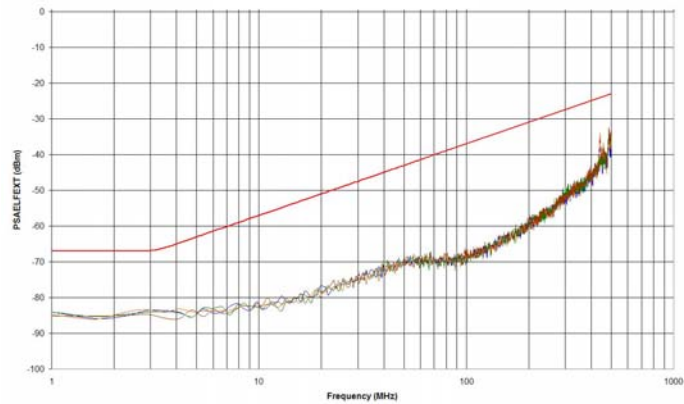
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## General specifications

<b>Outlets</b>		
	Individual Keystone	RapidNet loom
Dimensions		
Weight	Jack Cable 56 grams per meter	Cassette 440grams Cable 380 grams per meter
Number of insertions	1,000 min	
ports per 1U space	24 ports (24x individual jacks)	24 ports (4x6 port cassette)
Approval standards	TIA 568-B.2-10 (DRAFT10) ISO11801 amend 1.1-DRAFT	
Compatibility	Backwardly compatible with Cat 6, Cat 5e & Cat 5 installations	
Connectors	Standard RJ45, shielded	
Shielding	Full 360° protection connection to LV earth required in panel	
Cable	S foil individually screened Cat 6A cable (S-FTP)	
packaging	Packages in boxes of 10	Upto 20m card board box Over 20m wooden drum <i>Note looms lengths over 22meters may require manual handling regulations</i>
<b>Panels</b>		
Dimensions	482mm(w) X44mm(h) X 95mm(d)	482mm(w) X44mm(h) X 135mm(d)
Weight	180gms	180gms
Fixings	RackSnap® as standard with the option of cage nut, two fixing points per side. Cage nuts available as an option	
<b>Patch cords</b>		
Standard lengths	1m, 2m, 3m, 4m, 5m other lengths available on request	
Connections	Standard RJ45 plugs	
cable	S-FTP shielded Cat 6A cable	

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