# **HellermannTyton**

## **High Density Solutions from HellermannTyton**

With the ever increasing demands for space within cabinets, communication rooms and data centers, HellermannTyton has developed high–density solutions that are perfect for maximizing floor space. Whether you are looking for traditional or pre-terminated cabling solutions, we can address both in a 1U 48 port rack space copper solution or up to 576 fiber connections in 1U rack space MTP fiber solution.

### RAPIDNET 12 PORT COPPER CASSETTE

HellermannTyton has developed a high–density 12 port RapidNet Copper Cassette. This new cassette doubles the density of our standard RapidNet offering. The panel accepts four high–density cassettes, achieving 48 ports in 1U of space when fully populated!

- Integral strain relief within the cassette helps to maintain the continuity and performance of the link.
- For use with the 1U 48 port high-density panel designed for the 12 port high-density copper cassette.
- To better identify ports, a labeling field has been added between the rows of RJ45 connectors. To aid identification, the ID window has a built–in magnification lens.
- For CAT 6 UTP Plenum and Riser options only. Variations offered:
  - o Cassette to Cassette
  - o Cassette to Plug
  - o Cassette to Jack
- Utilizes two of our six bundled cable (5A1 design), which has been especially designed to eliminate potential alien crosstalk issues (each bundle is bound together with a Kevlar binder).

#### **ACCESSORY**

Part Number

Description

RNGPP1UHD Modular Patch Panel, RNG Series HD Cassette only, 1U, Black





#### RapidNet 12 Port Copper Cassette Part Numbering

1	2	3	4	5	6	7	8	9	10	11 12 13
R	N	G	С	12						
				Cable Bundle	Cable Type	Cable Flame Rating	Cable Color	Termination End 1	Termination End 2	Length
	12 = 12 Fixed characters				A = CAT 6 UTP	P = CMP R = CMR	B = Blue W = White	C = Cassette	C = Cassette	10' - 140'

## RAPIDNET MTP VERY HIGH DENSITY (VHD)

As hardware vendors push the technology to the next level, new Data Center Designers are planning to deploy 40GbE and 100GbE networks.

As the need for higher bandwidth transmission increases, the higher the speed links are for active equipment within the Main Distribution Area (Core), the Horizontal Distribution Area, and/or Zone Distribution Area (ZDA) within a data center. With more information being stored, faster access times are required to keep query times down. More distribution of fiber between MDA, HDA and ZDA are needed to communicate within the cabinets. RapidNet MTP VHD is primarily aimed at data centers and large capacity communication rooms. With the ever increasing demand for space within the data center and large communications rooms, network managers have to look at ways to increase the density (Capacity) within the rack and the floor space as a whole.

With RapidNet, you can expect faster installation of infrastructure. In fact, you can expect a time savings up to 85% for fiber. RapidNet MTP VHD offers much higher fiber per rack unit counts compared to standard field termination options.



#### The benefits include:

- The rack space required is reduced.
- Although there is a three fold increase in the number of fiber rack unit, the number of cables in the front cable management is reduced.
- RapidNet MTP VHD utilizes highquality MTP<sup>™</sup> connectors and adaptors with a very high quality ferrule, and mechanically they are produced to tighter tolerances than MPO connectors. This helps to improve physical alignment and reduce optical loses.
- RapidNet MTP VHD dramatically reduces the installation time compared to both field terminated installations and pre-terminated cables and panels.
- The RapidNet MTP VHD cassette utilizes the same panel as standard fiber and copper cassettes, meaning that they can be installed into existing installations or new installations. It also means that potentially less rack space can be used within the rack unit space by mixing RapidNet configurations.

## **CATEGORY 6 AND 5E - 48 PORT 1U PATCH PANEL**

HellermannTyton's high density patch panels are specifically designed to provide high performance in a 1U format. These panels are robust and easy to install, providing double the density of a standard 1U patch panel. The built-in rear cable management design enables each cable to be securely fixed to the back of the panel.

Part Number PP110C6481U PP110C5E481U Description

Category 6 - 1U 48 Port Patch Panel Category 5e - 1U 48 Port Patch Panel





PP110C6481U - Category 6 - 1U 48 Port Patch Panel



PP110C5E481U - Category 5e - 1U 48 Port Patch Panel