**Panduit® QuickNet™ Hydra Cable Assemblies**

Panduit® QuickNet™ Hydra Assemblies allow for rapid deployment of high-density, multi-port patch field connectivity for Storage Area Network (SAN) applications. QuickNet™ Hydra Cable Assemblies optimize SAN patch field organization, ensuring efficient use of horizontal and vertical rack pathways. QuickNet™ Hydra Cable Assemblies, built with modular MTP* connectivity and traditional connectivity (LC, SC, and ST), provide compatibility, flexibility and system performance in high-density patch field applications. All Panduit® QuickNet™ Hydra Assemblies are factory terminated and tested to deliver verified optical performance and reliability for improved network integrity. 10Gig™ versions provide 10 Gb/s network performance up to 300 meters for OM3 and up to 550 meters for OM4 per IEEE 802.3ae 10 GbE standard while maintaining compatibility with legacy systems.

<table>
<thead>
<tr>
<th>Key Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application specific designs</td>
<td>Tailor configuration and breakout construction to application requirements to minimize waste, optimize cable management, speed deployment, and improve flexibility and manageability for lower installation costs</td>
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<tr>
<td>Factory terminated</td>
<td>Provides a quick-to-deploy, scalable solution to improve reliability, reducing installation time and cost</td>
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<tr>
<td>100% tested (test data supplied)</td>
<td>Assures verified optical performance for improved network integrity</td>
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<tr>
<td>MTP* 12-fiber connector (male) and traditional connectors (PANDUIT LC, SC, and ST)</td>
<td>Easily connect network segments and minimizes SAN and server patch cord congestion to provide design flexibility, reduce deployment time, improve reliability and simplify moves, adds, and changes</td>
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<tr>
<td>Panduit proprietary MTP* polishing</td>
<td>Provides low insertion loss and high return loss for improved high performance, minimizing variability for improved channel link loss performance</td>
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<tr>
<td>High-density cable</td>
<td>Uses vertical rack and horizontal patch field pathway space more efficiently to improve manageability and reduce installation costs</td>
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<tr>
<td>Wide range of fiber cable configurations</td>
<td>Support 10 Gb/s (OM3 and OM4), multimode (OM1 or OM2), and singlemode (OS1 and proposed OS2) patch field connectivity for SAN applications to provide design flexibility for all connectivity types</td>
</tr>
</tbody>
</table>

**Technical Information**

- Connectivity meets or exceeds TIA/EIA-568-B.3 and ISO/IEC 11801 performance requirements
- Jacketed cable is compliant with NFPA 262 (OFNP) or IEC-60332 (LSZH) flame rating
- MTP* Connectors are FOCIS-5 compliant
- MTP* insertion loss per mated pair: 0.50dB typical; 0.75dB max.
- Traditional connectors insertion loss per mated pair: 0.10dB typical, 0.30dB max. (multimode); 0.25dB typical, 0.50dB max. (singlemode)
- Factory terminated and 100% tested for insertion loss; singlemode and 10Gig™ assemblies also tested for return loss (test data supplied with each assembly)
- TIA/EIA-568-B.1-7 standards based polarity supports 10 Gb/s, multimode, and singlemode fiber types, and allows infrastructure backwards compatibility for component interchangeability and a lower cost of ownership
- 10Gig™ laser optimized fiber is tested per IEEE 802.3ae 10 GbE standard to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters at 850nm

*MTP is a registered trademark of US Conec Ltd.*

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Standard Gender for Hydra and Staggered Hydra Cable Assemblies

Hydra Based System

Hydra Based System

Hydra Based System

Cassette to Hybrid Trunk System

Cassette to Hybrid Trunk System

Cassette to Hybrid Trunk System
Ordering Information

Example: 

<table>
<thead>
<tr>
<th>F</th>
<th>H</th>
<th>P</th>
<th>X</th>
<th>1</th>
<th>2</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>0</th>
<th>1</th>
<th>0</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td></td>
</tr>
</tbody>
</table>

2 – Cable Type

H = 12 fiber flat ribbon with 2.0mm overjacket (standard)

3 – Flame/Smoke Rating

P = Plenum
L = Low Smoke Zero Halogen (LSZH)

4 – Fiber Type

6 = 62.5/125µm Multimode OM1
5 = 50/125µm Multimode OM2
X = 300 meter reach 10Gig™ Multimode OM3
9 = Singlemode OS1/OS2
Z = 550 meter reach OM4

5 and 6 – Fiber Count

XX = 06, 08, or 12 fibers

7 (End “A”) – Connector Styles

5 = Female MTP*
6 = Male MTP* (standard)

8 (End “B”) – Connector Styles

1 = LC Simplex
L = LC Duplex
2 = ST
3 = SC Simplex
S = SC Duplex

9 – Unit of Measure

M = Meters
F = Feet

10, 11 and 12 – Length

XXX = Length in Unit of Measure selected

13 – Breakout Length

N = 61cm (24") standard, A = 45.7cm (18")
B = 76.2cm (30") C = 91.4cm (36") or D = 1m (39.4")

Notes: 1. Standard QuickNet™ Hydra Cable Assemblies are supplied with male (pins) connectors and are wired to comply with TIA/EIA-568-B.1-7 (Guidelines for Maintaining Polarity Using Array Connectors). Female (pinless) connectors can also be supplied.

2. QuickNet™ Hydra Cable Assemblies are available in lengths up to 50 ft. Length tolerance is +76.2cm (30 inches)/-0. Breakout length tolerance is +5.1cm (2 inches)/-0.

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For a copy of Panduit product warranties, log on to www.panduit.com/warranty

Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800-777-3300 and reference FBCB24

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