

QuickNet™ Hydra Cable Assemblies

- Connectivity meets or exceeds TIA/EIA-568-B.3 and ISO/IEC 11801 performance requirements
- LC and SC connector housing and boot colors follow TIA/EIA-568-C.3 suggested color identification scheme
- Jacketed cable is compliant with NFPA 262 (OFNP) flame rating
- MTP* (12-fiber) connectors are FOCIS-5 compliant
- Insertion loss per mated pair: 0.50dB typical, 0.75dB max.
- Panduit proprietary MTP* polishing provides low insertion loss and high return loss, minimizing variability for improved channel link loss performance
- Traditional connectors (Panduit LC, SC, and ST) provide design flexibility throughout the data center
- 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 (test data supplied with each assembly); singlemode and 10Gig™ Multimode Hydra Cable Assemblies also tested for return loss
- 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 to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters at 850nm
- Application specific designs available to tailor configuration, reach, and breakout construction to application requirements; for more information contact Panduit or visit www.panduit.com



FHPX126LM***N

| Part Number | Part Description | Length (m)^ | Std. Pkg. Qty. |
|--|---|-------------|----------------|
| Male MTP* to LC Duplex – 10Gig™ OM3 Multimode Plenum Hydra Cable Assemblies | | | |
| FHPX126LM005N | Male MTP* to LC duplex 12-fiber 10Gig™ 50/125µm OM3 Multimode Plenum Rated Hydra Cable Assembly with std. 24" (61cm) breakout length. | 5 | 1 |
| FHPX126LM010N | Male MTP* to LC duplex 12-fiber 10Gig™ 50/125µm OM3 Multimode Plenum Rated Hydra Cable Assembly with std. 24" (61cm) breakout length. | 10 | 1 |
| FHPX126LM015N | Male MTP* to LC duplex 12-fiber 10Gig™ 50/125µm OM3 Multimode Plenum Rated Hydra Cable Assembly with std. 24" (61cm) breakout length. | 15 | 1 |
| FHPX126LM020N | Male MTP* to LC duplex 12-fiber 10Gig™ 50/125µm OM3 Multimode Plenum Rated Hydra Cable Assembly with std. 24" (61cm) breakout length. | 20 | 1 |
| Male MTP* to LC Duplex – OM2 Multimode Plenum Hydra Cable Assemblies | | | |
| FHP5126LM005N | Male MTP* to LC duplex 12-fiber 50/125µm OM2 multimode plenum rated hydra cable assembly with std. 24" (61 cm) breakout length. | 5 | 1 |
| FHP5126LM010N | Male MTP* to LC duplex 12-fiber 50/125µm OM2 multimode plenum rated hydra cable assembly with std. 24" (61 cm) breakout length. | 10 | 1 |
| FHP5126LM015N | Male MTP* to LC duplex 12-fiber 50/125µm OM2 multimode plenum rated hydra cable assembly with std. 24" (61 cm) breakout length. | 15 | 1 |
| FHP5126LM020N | Male MTP* to LC duplex 12-fiber 50/125µm OM2 multimode plenum rated hydra cable assembly with std. 24" (61 cm) breakout length. | 20 | 1 |
| Male MTP* to LC Duplex – OS1/OS2 Singlemode Plenum Hydra Cable Assemblies | | | |
| FHP9126LM005N | Male MTP* to LC duplex 12-fiber 9/125µm OS1/OS2 singlemode plenum rated hydra cable assembly with std. 24" (61cm) breakout length. | 5 | 1 |
| FHP9126LM010N | Male MTP* to LC duplex 12-fiber 9/125µm OS1/OS2 singlemode plenum rated hydra cable assembly with std. 24" (61cm) breakout length. | 10 | 1 |
| FHP9126LM015N | Male MTP* to LC duplex 12-fiber 9/125µm OS1/OS2 singlemode plenum rated hydra cable assembly with std. 24" (61cm) breakout length. | 15 | 1 |
| FHP9126LM020N | Male MTP* to LC duplex 12-fiber 9/125µm OS1/OS2 singlemode plenum rated hydra cable assembly with std. 24" (61cm) breakout length. | 20 | 1 |

^Additional lengths and availability: The above lengths and configurations are stock items. For other lengths or configurations, contact Customer Service for actual lead times.

Individual Staggered Hydra Cable Assemblies are available. Please see WW-FBCB38.

MTP* Connector Cleaning Tools are available.

*MTP is a registered trademark of US Conec Ltd.

Cable Self-Laminating Labels for QuickNet™ Hydra Cable Assemblies



Suggested Label Solutions for TIA/EIA-606-A Compliance

| Part Number | Laser/Ink Jet Desktop Printer Label | TDP43ME Thermal Transfer Desktop Printer Label | PanTher™ LS8E Hand-Held Printer Label | Cougar™ LS9 Hand-Held Printer Label |
|---------------|-------------------------------------|--|---------------------------------------|-------------------------------------|
| All FHP parts | S100X160YAJ and NWSLC-3Y‡ | S100X150VATY and NWSLC-3Y‡ | S100X160VAC and NWSLC-3Y‡ | T100X000CBC-BK and NWSLC-3Y‡ |

For complete labeling solutions and product information, reference charts on pages O.1 – O.18 of SA-NCCB51.

‡For complete information on fiber optic cable identification solutions, reference page C.92 of SA-NCCB51.

QuickNet™ MTP* Interconnect Cable Assemblies – Multimode 10Gig™ 50/125µm (OM3 and OM4)

- Pass all TIA/EIA-568-B.3 performance requirements
- FOCIS-5 compliant
- Insertion loss per mated pair: 0.50dB typical; 0.75dB max.
- Tested per IEEE 802.3ae 10 GbE to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters for OM3 and up to 550 meters for OM4 at 850nm with 50/125µm (OM3 and OM4) laser optimized fiber
- Backward compatible with all 50/125µm (OM2) MPO or MTP* system requirements
- Factory terminated and 100% tested for insertion loss
- Insertion loss and return loss data recorded for every 10Gig™ Multimode Interconnect Cable Assembly
- Lifetime traceability of test data to a Q.C. number on each cable assembly



| Part Number | Part Description | Length (m) [^] | Std. Pkg. Qty. | Std. Ctn. Qty. |
|---|--|-------------------------|----------------|----------------|
| MTP* Interconnect Cable Assemblies – Multimode 10Gig™ OM4 50/125µm | | | | |
| FZ12D5-5M1Y | 12 Fiber 10Gig™ OM4 Optimized Flat Ribbon Plenum Rated Female MTP - Female MTP Interconnect Cable Assemblies with .5dB IL - 1m | 1 | 1 | 10 |
| MTP* Interconnect Cable Assemblies – Multimode 10Gig™ OM3 50/125µm | | | | |
| FX12D5-5M1Y | Female MTP* to female MTP* 12-fiber interconnect cable assembly (one female MTP* connector on each end on ribbon interconnect cable) – 10Gig™ 50/125µm. Outside diameter: 5mm x 2.5mm. | 1 | 1 | 10 |

For OM4 interconnect assembly, replace the X (FX12D5-5M1Y) with Z (FZ12D5-5M1Y).

[^]Additional lengths and availability: Interconnect cable assemblies are available in 1 – 10 meter lengths in 1 meter increments, and 15, 20, 25 and 30 meter lengths. To order lengths other than 1 meter, replace the 1 after the M (FZ12D5-5M1) with the desired length (FZ12D5-5M2 for 2 meter length). The above lengths are stock items. For other lengths or male MTPs*, contact Customer Service for actual lead times.

For MTP* Connector Cleaning Tools, see page C.105.

*MTP is a registered trademark of US Conec Ltd.

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