

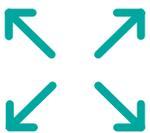
ASCEND®

Easy-to-use, high-density, tray-based platform

The ASCEND® platform is a modular, high-density, rack-mount solution designed for data centers, central offices, head-ends, and structured cabling networks. Whether supporting incremental growth or a full-scale deployment, our ASCEND solution delivers optimal fiber management in an easy-to-use, scalable platform.



[View full product range on our website](#)



Maximize Available Space

More connections mean more space for customers



Generate Revenue Faster

Quick and easy-to-install, you can bring customers online faster than ever, while also reducing costs on installation time and labor



Future-Proof Your Network

Scalable solution ensures easy migration to higher-speed technologies of 400G and beyond



Reduce Costs

Excellent value with market-leading performance



Improve Network Performance

Setting a new standard for reliable, high-performance networks



Grow at Your Desired Rate

Quick turnaround across all products including custom configurations

Product Overview

ASCEND® Fiber Housings

- Available in 1RU, 2RU, and 4RU sizes
- BASE-8, BASE-12, and BASE-24 compatibility
- 19 / 23" rack-mountable
- Galvannealed steel construction
- Interchangeable cassette options for multiple applications
- Compatible with all ASCEND cassettes



4RU Fiber Housing



2RU Fiber Housing



1RU Fiber Housing

ASCEND Cassettes

- BASE-8, BASE-12, and BASE-24 (fanout only) configurations
- SM, MM (OM3), MM (OM4), and MM (OM5)
- Low-loss LC and MPO connectors
- VFL-compatible shuttered LC adapters
- Install independently from front or rear of housing
- Compatible with all ASCEND housings
- Splice Cassettes utilize SpiderWeb Ribbon® (SWR®) for highly efficient splicing



8 / 12 / 24f Fanout Cassette



12F LC Ribbon / Single Splice Cassette



BASE-8 / BASE-12 Patch Cassette

Trunk Cable Assemblies

- 12-288 fibers in BASE-8 and BASE-12 configurations
- SM, MM (OM3), MM (OM4), and MM (OM5)
- Bend-insensitive fiber (G.657.A1)
- Reduced-diameter MicroCore® cable with 2.0 mm sub-units (up to 144)
- Plenum or LSZH options available
- Low-loss MTP® PRO connectors with field-reversible polarity and gender
- Single-mode terminations provided with MTP Elite® performance
- Integrated cable mounting clip
- Pulling eye option available



About AFL Hyperscale

AFL Hyperscale is the first cabling and connectivity solution provider focused on the ever-evolving needs of data centers. With over 70 years' experience in the design and manufacture of high-performance optical fiber networks, we pride ourselves on understanding the challenges our customers face and are dedicated to helping them deliver their services to create a more connected world.

