

Data Center Solutions

Let us find the solution that uniquely fits you.



The ever-increasing demand for cloud services and the subsequent need to store and process massive amounts of data have pushed your hyperscale data center into a never-ending pursuit of robust and rapid network deployments. Coupled with a renewed emphasis on reducing system latency, you have a lot to analyze, manage, and plan.

To manage the complexity of day-to-day operations, you need a supplier focused on more than providing products – you need a supplier committed to solving problems in a timeframe that meets yours.

Sumitomo Electric Lightwave has partnered with some of the biggest names in the hyperscale industry to develop Ultra-High-Density Network Solutions: next-generation thinking solutions and products that focus on security, scalability, and the continuity of your infrastructure.

Designed with your needs in mind.

Supporting You at Every Step

- Network infrastructure expertise
- Technical consultation and support
- Customer-tailored innovations and solutions
- US & global manufacturing and supply chains
- Product warranties
- Commitment to quality



Wide range of density



Scalable and modular components



Proven preterminated solutions



Innovative infrastructure management tools



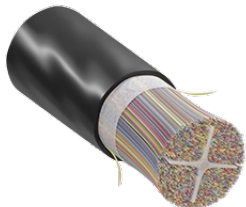
Single source end-to-end supplier



Hyperscale Use Case

A data center manager for a well-known provider needs to pull a 6912-fiber all-dielectric cable through an existing 1.5" conduit. Installation time and labor costs are an issue, but they do not want to gain savings at the expense of network integrity. They also know that the overall infrastructure needs to maximize available floor space and be as easy to use and flexible as possible, especially racks and cabinets. The answer to all of these challenges and issues? MACs.

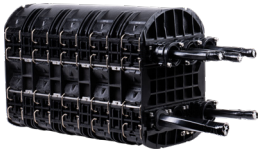
The Solution: Key Components



OUTSIDE PLANT

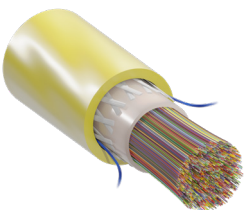
Freeform Ribbon® UHFC X-slotted Core Cables

- Up to 6912-f in 1.5 in duct
- 12-f, splice-ready ribbon groupings
- Patented pliable FreeForm Ribbon® Fiber



TN 6912 Optical Closure

- Fiber capacity of 6,912-f (8 trays)
- Ideal for branch splicing (1 x 6,912f) or (2 x 3,456f)
- Durability & environmental rating of IP68



INSIDE PLANT

Freeform Ribbon® Central Tube Cables

- Up to 1728-f
- Available as I/O, Indoor, Riser, LSHF Riser, Plenum, and Armored
- 12-f, splice-ready ribbon groupings
- Patented pliable FreeForm Ribbon® Fiber



Cable Assemblies

- Up to 864-f
- Variations include I/O, Indoor, Armored, Riser, Plenum, LSZH, and No Jacket
- Available in Simplex, Duplex, Interconnect, and Trunk configurations



INSIDE PLANT

Ultra Hyperscale eXchange (U-HSX)

- Fiber capacity of 41,472-f (48 x 864-f trays)
- Full line of breakout kits available
- Wall-mountable



PrecisionFlex® Pre-terminated Patch Panels (864)

- 1RU, 2RU, 3RU, 4RU, and 3 x 2RU (shown)
- LGX & HD options
- Factory assembled and tested
- Pre-stubbed available



DEPLOYMENT TOOLS

Splicers

- Mass Fusion or Single strand
- Light and Compact Frame
- Improved alignment with NanoTune™ technology



Cable/Assembly Spool Payoff Tool

- Up to 8 spools at time (6 shown)
- 4½ to 10-in coil ID & 6 ¼-in coil height
- Max. cable length of 2,518-m/8,262-ft (in case of 3.0-mm OD cable)



Cable Assembly Hand-held Payoff Tool

- Up to 12 jumpers at time
- Applicable to for Duplex ULC connector assemblies
- Max. jumper length of 40m



SEL's cloud-enabled network infrastructure management tool for the administration and management of buildings and assets through an integrated and modular cable planning and management system.