

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 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



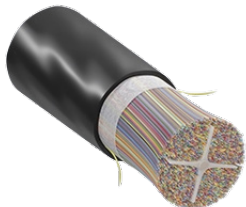
Single source end-to-end supplier



Hyperscale Use Case

A Data Center Manager for a well know provider, needs to pull a 6912-f, all-dielectric cable through an existing 1.5" conduit. Time-to-install and labor costs are an issue but she wants to make sure that savings are not realized at the expense of network integrity. She also knows that the overall infrastructure needs to maximize the floor space available and be as easy to use and flexible as possible, especially the racks and cabinets; if the past is any judge, there will be MAC's in her future.

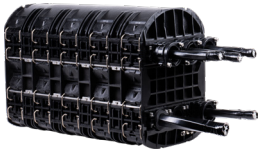
The Solution: Key Components



OUTSIDE PLANT

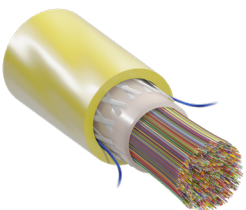
Freeform Ribbon® UHFC X-slotted Core Cables

- Up to 6912-f in 1.5" 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

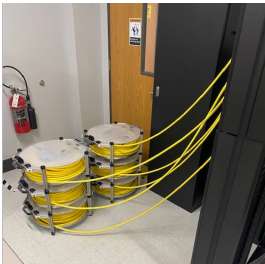
Ultra Hyperscale eXchange (U-HSX)

- Fiber Capacity of 41,472 fibers (48 x 864-f Trays)
- Full line of breakout kits available
- Wall-Mountable



PrecisionFlex[®] Per-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

Cable/Assembly Spool Payoff Tool

- Up-to 8 spools at time (6 shown)
- 4½ to 10 inch coil ID & 6¼ coil height
- Max. cable length of 2,518m/8,262ft (in case of 3.0mm 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 40 meters



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.