

OmniSplice™ Frequently Asked Questions



What is OmniSplice?

OmniSplice is Panduit's entry into the fusion-spliced fiber optic connectors market. It is available in LC & SC Singlemode, LC & SC Multimode (OM3/4/5), LC-APC, and SC-APC.

How does OmniSplice work?

The pre-polished, pre-cleaved connector subassembly is placed into the OmniHolder, spliced directly to fiber cable, and the connector is assembled around the splice point. This is a familiar process in the fusion-spliced fiber optic connectors market, made with Panduit's commitment to quality, efficiency, and performance.

What fusion splicers will OmniSplice work with?

The OmniHolder works with most current fusion splice machines from Sumitomo, AFL (Fujikura), Fiber Fox, and UCL Swift. This enables termination of OmniSplice connectors on the most common splice machines in the field.

What kind of fiber cables will the OmniSplice work with?

OmniSplice connectors are designed to work with 900µm tight-buffered fiber, 250µm loose-tube fiber, and 250µm fibers with 900µm build-up tubing (e.g. fanout kits)

What are the advantages of OmniSplice versus cam-style mechanical splice connectors?

OmniSplice connectors can be terminated in two minutes or less and have an average insertion loss (IL) well below 0.10dB IL. OmniSplice combines fast terminations with consistent, high-performance results.

What advantage does OmniSplice have versus fusion splicing pigtails?

OmniSplice connectors protect the splice point inside the body of the connector itself, removing the need for additional components and labor that pigtails require. Pigtails provide a margin of error to the user by having a long length of fiber that can be cut away if the termination does not pass. This cable excess must be managed by some sort of slack management spool, and the splice protection sleeve must be secured in some form of splice holder.

Are OmniSplice connectors compatible with other fiber components?

Yes! OmniSplice connectors are fully compliant to applicable standards.

How are OmniSplice connectors packaged?

OmniSplice connectors are individually packaged in recycled plastic tray and shipped in a corrugated cardboard box, to reduce environmental impact from single-use components.