What does LCFCCSC mean in the context of pigtail fiber



Overview

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Key Takeaways

LCFCCSC likely denotes a fiber pigtail with LC and SC connectors, possibly including FC-style features or polish types.

In the context of fiber optic pigtails, acronyms like LCFCCSC are typically shorthand for the connector types and configurations on the pigtail fiber. Breaking it down:

• LC: Refers to the LC (Lucent Connector) type, which uses a 1.25 mm ferrule and is common in high-density applications like SFP/SFP+ transceivers .

• FC: Refers to the FC (Ferrule Connector) type, which uses a threaded 2.5 mm ferrule, often for single-mode fibers requiring high precision and low back reflection .

• SC: Refers to the SC (Subscriber Connector) type, which uses a 2.5 mm ferrule with a snap-in design, widely used in enterprise networks and FTTH deployments . The repetition of FC and SC in the acronym may indicate dual or hybrid connectors on a single pigtail or a bundle of pigtails, where one end has an LC connector and the other end has FC and SC connectors, or it could denote a specific polish type (UPC or APC) associated with each connector. In practice, such a designation is used by manufacturers to specify custom fiber assemblies for data centers, telecom networks, or FTTH installations . Key points about pigtails with multiple connectors:

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• Single-ended termination: One end is factory-terminated with a connector (LC, SC, or FC), and the other end is bare fiber for fusion splicing .

• Customizable lengths: Typically 0.5 m to 5 m, optimized for specific applications .

• Applications: Used in data centers, telecom networks, FTTH, industrial sensors, and test equipment where precise, low-loss connections are required . If you encounter LCFCCSC in a product datasheet, it is recommended to confirm with the manufacturer for the exact configuration, as naming conventions can vary slightly between vendors. This ensures compatibility with your network equipment and splicing requirements.

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