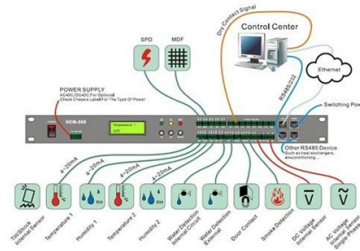


Standard Flowchart for Optical Cable Splicing



Article Overview

Optical cable splicing involves sequential steps of preparation, alignment, splicing, and testing to ensure seamless fiber connectivity.

Step-by-Step Flow of Optical Cable Splicing

- Cable Preparation
 - Strip the outer jacket, buffer, and protective layers to expose the bare fiber .
 - Clean the exposed fiber with isopropyl alcohol to remove any residue .
- Fiber Cleaving
 - Use a precision cleaver to cut the fiber ends at a perfect 90° angle for optimal alignment .
- Splice Method Selection
 - Fusion Splicing: Permanent connection using heat to melt and fuse fiber ends .
 - Mechanical Splicing: Temporary or quick connection using an alignment fixture and index-matching gel .
- Fiber Alignment
 - For fusion splicing, use a fusion splicer with core or cladding alignment to precisely position fibers .
 - For mechanical splicing, align fibers in a splice holder and apply index-matching gel to reduce light loss

Article Content

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1.0 SCOPE This specification covers the minimum standards and requirements for water proof type, re-enterable optic fiber cable

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This prevents any interruption in light flow through the cable, thus maintaining high-quality data transfer rates.

Contact Us

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