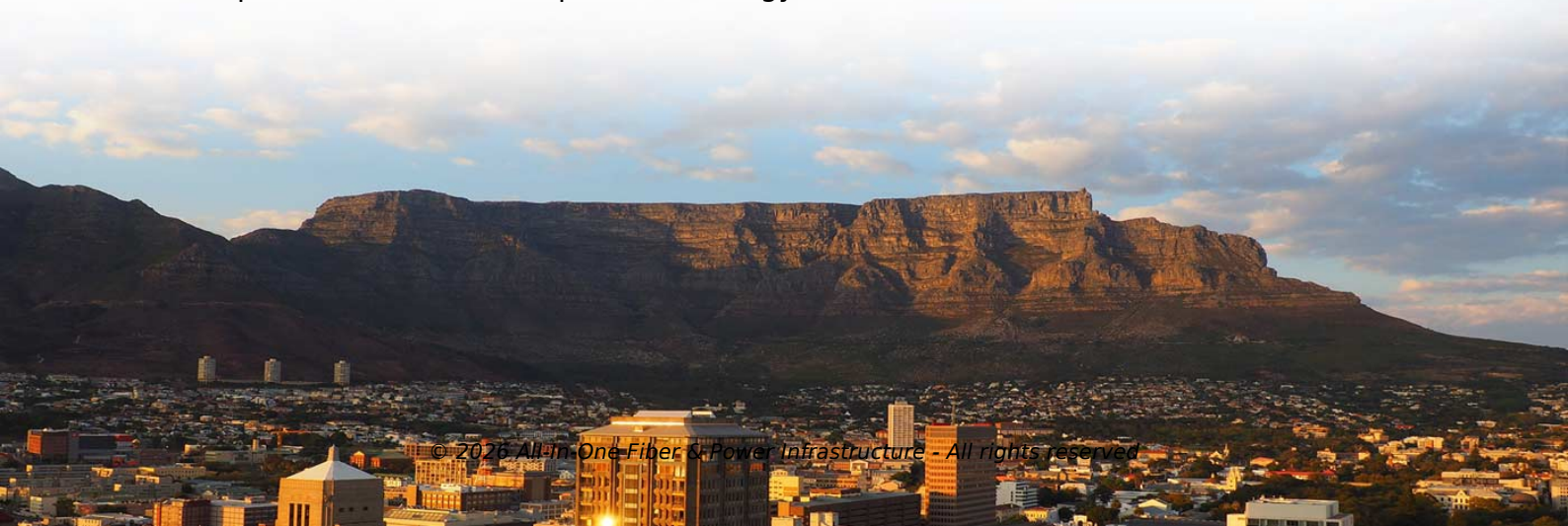


Types and Functions of Optical Cable Splicing Tools



Overview

The following specifications determine the functionality of fiber optic splicers. 1. Fiber Splicing size-- the size of the fibers the splicer can fuse. 2. Splicing Method-- the method that the two fibers are fused. 3. Average Loss-- the loss of signal after the fibers are fused. 4. Splice time-- the time it takes the splicer to fuse the two fibers. The two fiber alignment types are profile alignment and local injection and detection. Profile alignment illuminates the two fibers from two light sources 90 degrees apart which is then viewed from two cameras. Software automatically aligns the fibers using the camera and stages. Fiber profile alignment. Image credit: Fiber Optic Association Local i. These features provide additional utility or ease-of-use. 1. LCD Touch Screen -- is the user interface and the method of viewing the alignment of the fibers. 2. Carrying Case-- the splicer is contained within a carrying case for easy transportation. 3. Ruggedized-- the splicer is fully ruggedized for harsh environments. A-A-59799-- Fusion splicer and cleaver, optical fiber SAE AS6479-- Splicer, fusion, fiber optic, aerospace TIA-440-- Fiber optic terminology.



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