

Single-fiber bidirectional line protection



Overview

BD OLP, also known as BIDI OLP or single-fiber bidirectional 1+1 OLP, is an optical line protection method designed for situations where fiber resources are extremely limited. The system monitors the working optical fiber and a standby fiber in real time, detecting when the working path falls below a threshold. Designed for both cascaded and hub-and-spoke network topologies, the system ensures recovery from a single fiber cut in a ring. Traditional OLP protects 4-core optical fiber, but in many places, due to insufficient optical fiber resources, it is impossible to provide excessive optical fiber resources and optical line redundancy protection. Optical Line Protection System (OLP) is an automatic monitoring and protection system which is independent of telecommunication transmission.

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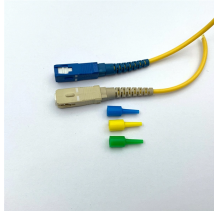
Supports dual-fiber bidirectional and single-fiber bidirectional protection modes. Supports 1+1 (dual-transmitter dual-receiver) and 1:1 (transmitter selection receiver selection) protection modes.



GLSUN Fiber Optical Transmission Line Protection System (OLP) uses vacant optical fiber to switch from different route to build a backup path for protecting backbone and important business line.



In response to the shortage of optical fiber resources and the demand for redundant protection of optical lines, our company has developed BIDI OLP equipment to solve the problem of optical line protection ...



Designed for both cascaded and hub-and-spoke network topologies, the system ensures recovery from a single fiber cut in a ring configuration within less than 10 ms. The system continuously monitors ...



The OLP-BIDI only needs two fibers to realize the optical line protection function. When the main circuit fiber fails, the receiving end automatically switches to the standby fiber receiving, ensuring ...



ONS 15454 Rings with Redundant TCC+ Cards ...
 BLSR = bidirectional line switch ring Total SDCC usage must be equal to or less than 10 SDCCs.



Alcatel-Lucent 1665 DMX supports Bidirectional Optimized 1+1 Linear Protection Switching per ITU-T G.841 Annex B. Bidirectional optimized 1+1 is designed to enable interoperability between Alcatel ...



OLP-BIDI only needs two fibers to realize the optical line protection function. When the main circuit fiber fails, the receiving end automatically switches to the standby fiber receiving, ensuring communication ...



What is BIDI Optical Line Protection? BD OLP, also known as BIDI OLP or single-fiber bidirectional 1+1 OLP, is an optical line protection method designed for situations where fiber ...



BIDI OLP needs to be used together with splitter to provide line protection for single fiber bidirectional transmission. The working mode of BIDI is dual transmitting and selective receiving.

Contact Us

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