

## Relay Protection Multiplexing Fiber Optics

### Ordering information

|   |                 |                   |                  |                 |                   |                  |
|---|-----------------|-------------------|------------------|-----------------|-------------------|------------------|
| NO.   | 1               | 2                 | 3                | 4               | 5                 | 6                |
| Model   | SP12M1          | SP24M2            | SP48M4           | SP6M1           | SP12M2            | SP24M4           |
| Product name                                  | Patch Panel     | Patch Panel       | Patch Panel      | Patch Panel     | Patch Panel       | Patch Panel      |
| Illustration                                  |                 |                   |                  |                 |                   |                  |
| HU  | 1               | 2                 | 4                | 1               | 2                 | 4                |
| Maximum number of cores                       | 144             | 288               | 576              | 144             | 288               | 576              |
| Product size (including modules and adapters) | 482.6*455*44 mm | 482.6*455*88.1 mm | 482.6*455*177 mm | 482.6*455*44 mm | 482.6*455*88.1 mm | 482.6*455*177 mm |
| Standard color code                           | RAL9005         | RAL9005           | RAL9005          | RAL9005         | RAL9005           | RAL9005          |
| Inventory                                     | √               | √                 | √                | √               | √                 | √                |



## Relay Protection Multiplexing Fiber Optics



Currently, most areas of the State Grid are still using a large number of multiplexed 2 M optical fiber channels using photoelectric conversion equipment to transmit relay protection signals.



With optical couplers and decouplers, the protection relay can communicate via a direct, all-optical medium at 1300 nm while over the same fiber pair and at the very same time, non-protective ...



Because relay protection plays a significant role in the entire power system, optical fiber communication is generally used as the physical transmission channel of the relay protection device to protect the ...



The simulation results show that the accuracy of relay protection signal transmission in fiber optic communication network is better, the anti-interference ability is stronger, and the channel ...



UHS transmission line relay TW87 communications link is a dedicated, private point-to-point fiber connection between two relays and has the following requirements:



The invention can evaluate the state of the relay protection of the power system and can timely and accurately put forward the corresponding relay protection inspection and maintenance...



Multiplexing substantially reduces the number of fiber pairs required to perform protection across the system. Multiplexers are not deployed as point-to-point devices, but they provide connectivity ...



many areas when the rapid development of optical fiber communication. Due to the lack of uniform standards, optical fiber communication does not meet the requirements to play a protection channel ...



Arrangement F shows an optical fiber and optical fiber interface (OFIF) option that may be useful for lengthy relay to communications equipment runs. This option will reduce interference and ground ...



Every FO circuit I've worked on has 2 fibers - Tx & Rx. This is true in both direct OPGW and on a multiplexed circuit. In a POTT or DCB both relays need to be able to send and receive. I ...

## Contact Us

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