

Optoweave

Weaving light for telecommunication, interconnects, and sensing application

Fan-in/Fan-out for Multicore Fiber



Introduction

Fan-in/fan-out device for Multicore fiber (MCF) is used to connect single-mode fiber and MCF. The products is designed and fabricated using our patented techlogies which is suitable for both industrial and research purposes for communications and sensing application.

Characteristics

- Low insertion loss, low crosstalk, and high return loss
- Good channel uniformity, highly reliable, and robust
- Compatible with different packaging method and interface
- Support customization for different pitiches and lower loss



FIFO for Multicore fiber

Applicable MCFs



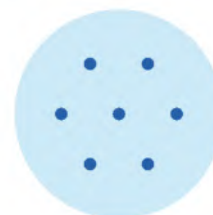
Two-core Fiber



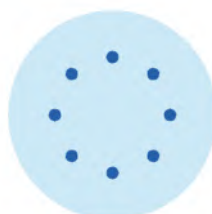
Three-core Fiber



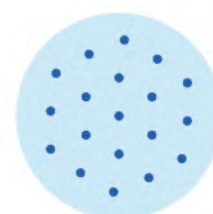
Four-core Fiber



Seven-core Fiber



Eight-core Fiber



nineteen-core Fiber

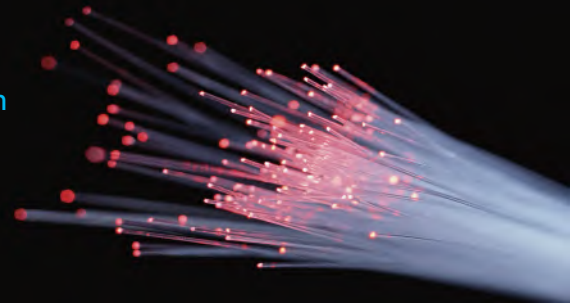
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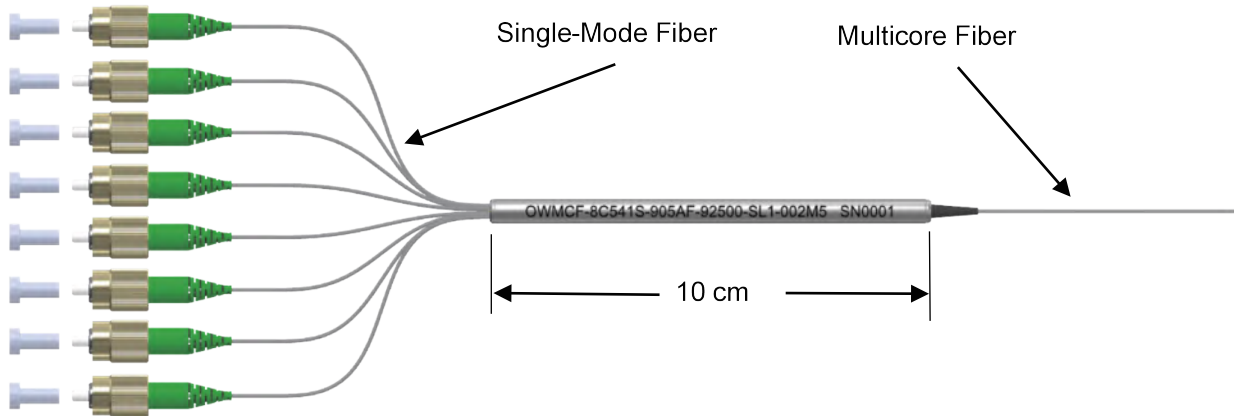
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Schematic



Ordering Information

Please use the coding system below to customize your device for best performance.

OW MCF-XX5 33S 9 05 AF 9 25 00 SL1 002M5

<p>Core Numbers 2C: 2 Core 4C: 4 Core 7C: 7 Core 8C: 8 Core 19: 19 Core 00: Customized</p>	<p>Diameter of MCF 1: 125 μm 5: 150 μm 2: 200 μm 0: Customized</p>	<p>Core Pitch of MCF 33: 33 μm 41: 41 μm 42: 42 μm 43: 43 μm 61: 61 μm 00: Customized</p>	<p>S: Single Device D: A Pair of FIFO C: Customized</p>	<p>Sleeve Type of SMF B: Bared Fiber 9: 0.9 mm Tube 2: 2.0 mm Tube 3: 3.0 mm Tube</p>	<p>Length of SMF 05: 0.5 m 10: 1.0 m 00: Customized</p>	<p>Connector Type of SMF AF: FC/APC UF: FC/UPC AS: SC/APC US: SC/UPC AL: LC/APC UL: LC/UPC 00: None</p>	<p>002 Length of MCF (Integer Numbers) M5 Length of MCF (Decimal Numbers) E.g. 002M0: Length of MCF is 2 m E.g. 002M5: Length of MCF is 2.5 m E.g. 100M0: Length of MCF is 100 m E.g. 002K0: Length of MCF is 2000 CXXXX: Customized</p>	<p>Packaging Dimension 1: 5.6 mm×10 cm 2: 5.0 mm×5 cm 3: 8 cm×10 cm×9 mm 0: Customized</p>	<p>Type of Package SL: Steel tube MB: Metal Box AB: Plastic Box OT: Customized</p>	<p>Connector Type of MCF AF: FC/APC UF: FC/UPC AS: SC/APC US: SC/UPC AL: LC/APC UL: LC/UPC 00: None</p>	<p>Sleeved length of MCF 05: 0.5 m 10: 1.0 m 20: 2.0 m 25: 2.5 m 00: Customized</p>	<p>Sleeve Type of MCF B: Bared Fiber 9: 0.9 mm 2: 2.0 mm 3: 3.0 mm 0: Customized</p>
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