

OM5 Product Series

The OM5 fiber has been approved as a new multimode optical fiber for high-speed data center applications. and is designed to support at least four low-cost wavelengths in the 850-950 nm range, enabling optimal support of emerging Shortwave Wavelength Division Multiplexing (SWDM) applications that reduce parallel fiber count by at least a factor of four to allow continued use of just two fibers (rather than eight) for transmitting 40 Gb/s and 100 Gb/s and reduced fiber counts for higher speeds. SWDM has many applications in Data Centers and other applications. OM5 cabling fully compatible and intermateable with OM3 and OM4 cabling. The related OM5 patchcord, Cassette and Panels has attracted wide attention in the industry, and the patchcord cover also all type of fiber connectors



OM5光纤已被作为是高速数据中心的应用一种新型的多模光纤。它支持850-950纳米范围内的至少四个低成本波长，从而能够优化支持新兴的短波分复用（SDWM）应用，将平行光纤数量减少至少四倍，能使用仅仅两根光纤（而不是八根）来持续传输40Gb/s和100Gb/s，减少光纤数量，实现更高速度。SWDM在数据中心和其他应用中有很多应用。OM5光缆与OM3和OM4电缆完全兼容并可互用。而与之关联的OM5跳线、光纤盒和光纤配线箱均引起了业界的广泛关注，而光跳线也涵盖了所有连接器类型。

Features

- Wavelength range 850-953 nm
- Low insertion loss and back reflection loss
- High precision alignment
- Good exchangeability
- High temperature stability
- Compatible with OM3 and OM4 patchcord

Application

- Telecommunication networks
- Data Center
- CATV, and Multimedia
- Optical switch interframe connection
- Asynchronous Transmission Mode (ATM)

Specifications

Item	Specification
Fiber Type (光纤类型)	OM5 (50µm multimode fiber)
Wavelength Range (波长范围)	850-953 nm
Jacket Color (外护套颜色)	Lime Green
Furcation Color (分支护套颜色)	Lime Green
Connector Type (连接器类型)	MPO/MTP/LC/SC/FC/Customized
Connector Color (连接器颜色)	Customized
Regulatory Compliance (规范标准)	IEC 60793-2-10/TIA-492AAAE/RoHS/ISO9001
Operation Temperature (工作温度)	-40 to +85°C

Cassette and Adapter

