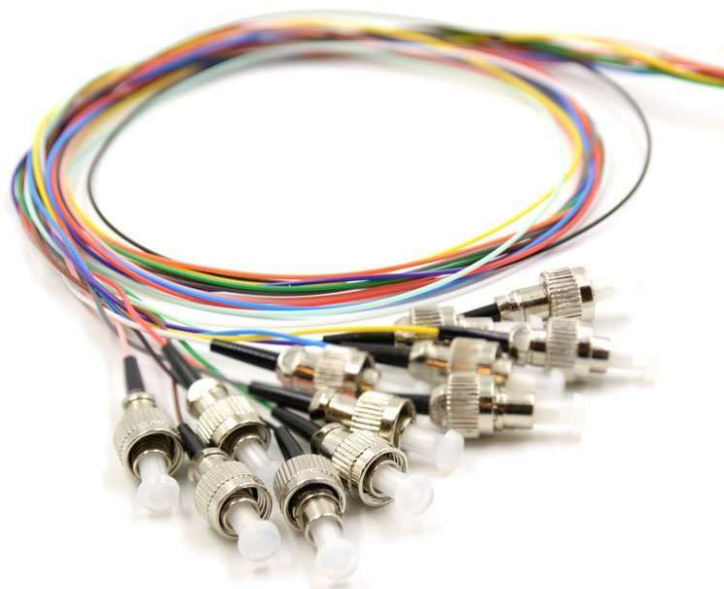


Optical Fiber Pigtail

TECHNICAL DATA SHEET

**FC Multi Mode Fiber Optic Pigtail UPC
OM4– ITU-T G.657A1, 12 Fiber**



FC Multi Mode Fiber Optic Pigtail UPC OM4– ITU-T G.657A1, 12 Fiber

Product Description

The Fiber Optic Pigtail FC/UPC to Underterminated is a factory-terminated 12-fiber ribbon/bundled pigtail designed for high-density optical fiber termination and fusion splicing. It features FC/UPC connectors on one end and unterminated fibers on the opposite end for direct splicing into optical distribution frames (ODFs), patch panels, and fiber distribution systems.



Manufactured with OM4 laser-optimized multimode (50/125 μm) optical fiber and a Low Smoke Zero Halogen (LSZH) jacket, it delivers outstanding optical performance for high-speed Ethernet, Fiber Channel, and data center applications.

Product Features

- FC/UPC connectorized on one end
- Unterminated fibers for fusion splicing
- 12-fiber construction
- OM4 laser-optimized multimode fiber (50/125 μm)
- LSZH jacket
- High-precision zirconia ceramic ferrules
- Low insertion loss and excellent repeatability
- Factory polished and 100% tested
- High durability and reliability
- RoHS compliant
- IEC and Telcordia compliant

Applications

- Data Centers
- Enterprise LAN Networks
- High-Speed Ethernet (10G/40G/100G)
- Fiber Channel Networks
- Optical Distribution Frames (ODF)
- Patch Panels
- Backbone Cabling
- Telecommunications Networks

Product Parameters

Item	Specification
Connector A	FC/UPC
Connector B	Unterminated
Fiber Count	12 Fibers
Fiber Type	OM4 (50/125 μm)
Cable Construction	12-Fiber
Jacket Material	LSZH

Optical Specifications

Parameter	Value
Fiber Type	OM4 (50/125 μm)
Connector Type	FC/UPC
Polish Type	UPC
Operating Wavelength	850 / 1300 nm
Insertion Loss	≤ 0.30 dB (Typical ≤ 0.20 dB)
Return Loss	≥ 35 dB
Repeatability	≤ 0.20 dB
Interchangeability	≤ 0.20 dB
Durability	≤ 0.20 dB change after 500 matings

Environmental Performance

Test Item	Requirement
High Temperature	$\Delta\text{IL} \leq 0.2$ dB
Low Temperature	$\Delta\text{IL} \leq 0.2$ dB
Thermal Cycling	$\Delta\text{IL} \leq 0.2$ dB
Humidity	Stable Performance