

## Bulk Number Fiber Optic Patchcord

### Product Drawing



### Product Description

A high-density connectivity solution designed for demanding network environments requiring large-scale fiber management. These multi-fiber jumpers integrate 12/24/48/72 or custom fiber counts in a single compact cable assembly, optimized for high-capacity data transmission and space-efficient installations.

### Product features

- Integrates 12 to 72+ fibers in a compact, bend-resistant design to save up to 60% rack space.
- Delivers premium optical performance with <math><0.2\text{dB}</math> insertion loss and OM/OS fiber options for multi/single-mode applications.
- Built with industrial-grade LSZH/armored jackets and reinforced tight-buffered fibers for harsh environment durability.
- Universally compatible with major fiber distribution systems through standardized MPO/MTP® or custom connectors.
- Supports plug-and-play deployment with customizable lengths, pre-terminated ends, and rapid scalability.

### Application

Data Center Interconnects, Telecom Infrastructure, Enterprise Networks, Industrial Environments.

### Technical Specifications

#### Product Parameters

Project	Technical indicators		
Product name	Bulk Number Fiber Optic Patchcord		
Configuration	900 $\mu$ m Fanout	Micro-Fiber Fanout	2.0mm Breakout
Fiber Count	4-144	3-144	4-48
Connector Types	LC, SC, MPO/MTP		LC, SC, ST
Cable Diameter	5.0-28.2 mm	3.0-17.5 mm	7.3-20.5 mm
Insertion Loss	$\leq 0.25\text{dB}$		
Return Loss	$\geq 50\text{dB}$ (UPC), $\geq 60\text{dB}$ (APC)		
Operating Temperature	$-40^{\circ}\text{C}$ to $+75^{\circ}\text{C}$	$-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$	
Jacket Material	PVC, LSZH, Plenum		