

## PATCH PRO INTELLIGENT FIBER OPTICAL PATCH CORD



### DESCRIPTION

FABNET high-performance pre-terminated fiber optic patch cord designed for deployment in modern data-centre and structured-cabling environments. The patch cord is intended to provide reliable, low-loss connectivity between network equipment, modules, and fibre-optic infrastructure, with the addition of intelligent features to support infrastructure management.

### APPLICATIONS & FEATURES

- Available with UPC or APC polished connectors at each end.
- Cabling options in OS2 (single-mode) and OM3/OM4/OM5 (multimode) fibre types.
- Bend-insensitive fibre option, improving performance in tight-bend or high-density installations.
- Jacket and insulation materials available in LSZH (Low Smoke Zero Halogen).
- Plug-and-play installation, enabling rapid deployment in high-density data-centre racks and fibre-management systems.
- Patented photoelectric integrated connector with Elastic metal probe
- Ideal for use with intelligent fibre management systems
- Data centre interconnects and patching
- High-density fibre-optic racks and enclosures
- Fibre backbone and horizontal runs in structured cabling systems
- High-speed networks (10 GbE, 40 GbE, 100 GbE) where fibre performance and integrity are critical
- Smart infrastructure installations where asset- and port-level tracking is used

### PRODUCT PARAMETERS

	Product Parameters	Intelligent Fiber Optic Patch Cord	
<b>Single Mode</b>	Product Length	$L \leq 3m$	$L > 3m$
	Polishing Method	LC PC 0°	LC PC 0°
	Test Method	Method B	Method B
	Insertion Loss IL (Typical Value)	$\leq 0.10dB$	—
	Insertion Loss IL (Maximum Value)	$\leq 0.25dB$	$\leq 0.25+0.0004 \times L \text{ dB}$
	Return Loss RL (Minimum Value)	$\geq 45dB$	$\geq 45dB$
<b>Multimode</b>	Product Length	$L \leq 3m$	$L > 3m$
	Polishing Method	LC PC 0°	LC PC 0°
	Test Method	Method B	Method B
	Insertion Loss IL (Typical Value)	$\leq 0.10dB$	—
	Insertion Loss IL (Maximum Value)	$\leq 0.25dB$	$\leq 0.25+0.0035 \times L \text{ dB}$
	Return Loss RL (Minimum Value)	$\geq 35dB$	$\geq 35dB$

Notes: IL testing reference: IEC 61300-3-4; RL testing reference: IEC 61300-3-6.

**ORDERING INFORMATION**

**FPCS2ULCULC\*\*-PR**

Patch Pro AIM Intelligent Single Mode UPC OS2 (C1) To (C2) Duplex LSZH Patch cord, \*\* Mtr

**FPCS2ALCALC\*\*-PR**

Patch Pro AIM Intelligent Single Mode APC OS2 (C1) To (C2) Duplex LSZH Patch cord, \*\* Mtr

**FPCS2ALCULC\*\*-PR**

Patch Pro AIM Intelligent Single Mode APC OS2 (C1) To UPC (C2) Duplex LSZH Patch cord, \*\* Mtr

\*\* Length Varies from 01 to 20 mtr