FibrePlus Optical Patch Cord

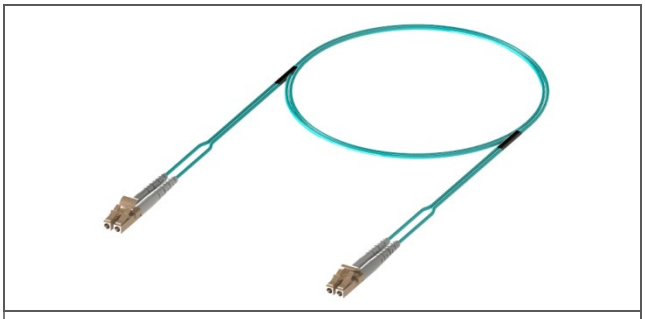
Datasheet: GD015464v23

APPLICATION

FibrePlus Optical Patch Cords are designed to interconnect or cross-connect fiber networks within structured cabling systems. Patch cords are manufactured with Leviton connectors and low smoke (HFFR-LS) fiber patch cable, which guarantees the highest levels of long-term mechanical and optical performance.

FEATURES

- Available in simplex and duplex configurations
- Wide selection of connector options to suit a variety of applications
- Single-mode and multimode options available
- Color coded for identification of fiber type
- Removable clip on duplex options allowing connectors to be separated and polarity switched



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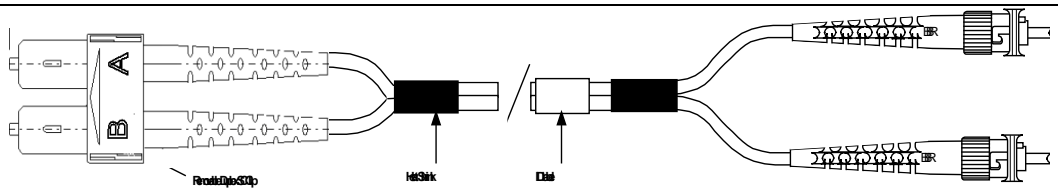
PHYSICAL CHARACTERISTICS



OPTICAL PERFORMANCE

	Insertion Loss		Return Loss
Multimode	≤ 0.5dB	Typical 0.3dB	≥20dB
Single-mode	≤0.3dB	Typical 0.1dB	Max. - 45dB (PC)
			45dB (PC), ≥50dB (UPC)
			≥60dB (APC)

MECHANICAL SPECIFICATIONS

Length (ferrule tip - ferrule tip)	1m and 5m*
Overall Length Tolerance	-0/+0.01m
Split Length (Duplex, ST, SC, LC, etc.)	150mm nominal

ID Label (Distance from one end)	200mm nominal
Recommended Bend Radius (Min)	40mm
Connector Cable Retention	100N min (2.5-3mmØ) cable assembly 50N min (1.5-2mmØ) cable assembly

ENVIRONMENTAL CONDITIONS

- Operating temperature: -10 to 70°C
- Temperature cycling: (IEC 874-1 sec.4.5.22) -25 to +70°C, 40 cycles ≤0.2dB Change
- High temperature: (IEC 874-1 sec.4.5.18) 70°C for 96 hours ≤0.2dB Change
- Damp heat: (IEC 874-1 sec.4.5.19) 60°C at 95% RH, 96 hours ≤0.2dB Change
- Vibration (mated pair): (IEC 874-1 sec.4.5.1) 10-55 Hz, 1.5mm P to P ≤0.3dB Change
- Mating durability: (IEC 874-1 sec.4.5.32) 1000 mating cycles, standard connectors Clean every 25 <0.2 dB Change

PRODUCT PACKAGING

- Each patch cord is individually packed and labeled for ease of identification

PRODUCT CERTIFICATION

- Each patch cord is identified with a batch reference ID label and is supplied with an individual test certification

CHANNEL IDENTIFICATION

- Generally, boot colors are used to identify the channels. For Duplex cords (excluding APC which are green) the channel identification would be as follows:

	Multimode		Single-mode	
	Channel A	Channel B	Channel A	Channel B
Duplex LC	White	Yellow	White	Yellow
Duplex SC	White	Blue	White	Blue
Duplex ST	Black	Red	Black	Yellow

Note:

1) All connector combinations follow the A & B channels. Identification as marked on the diagram in physical characteristics.
2) For LC duplex patch cords colors refer to the heat shrink colors.
3) Simplex cords follow channel A for Multimode cord and Channel B for single-mode.

PART NUMBER BREAKDOWN

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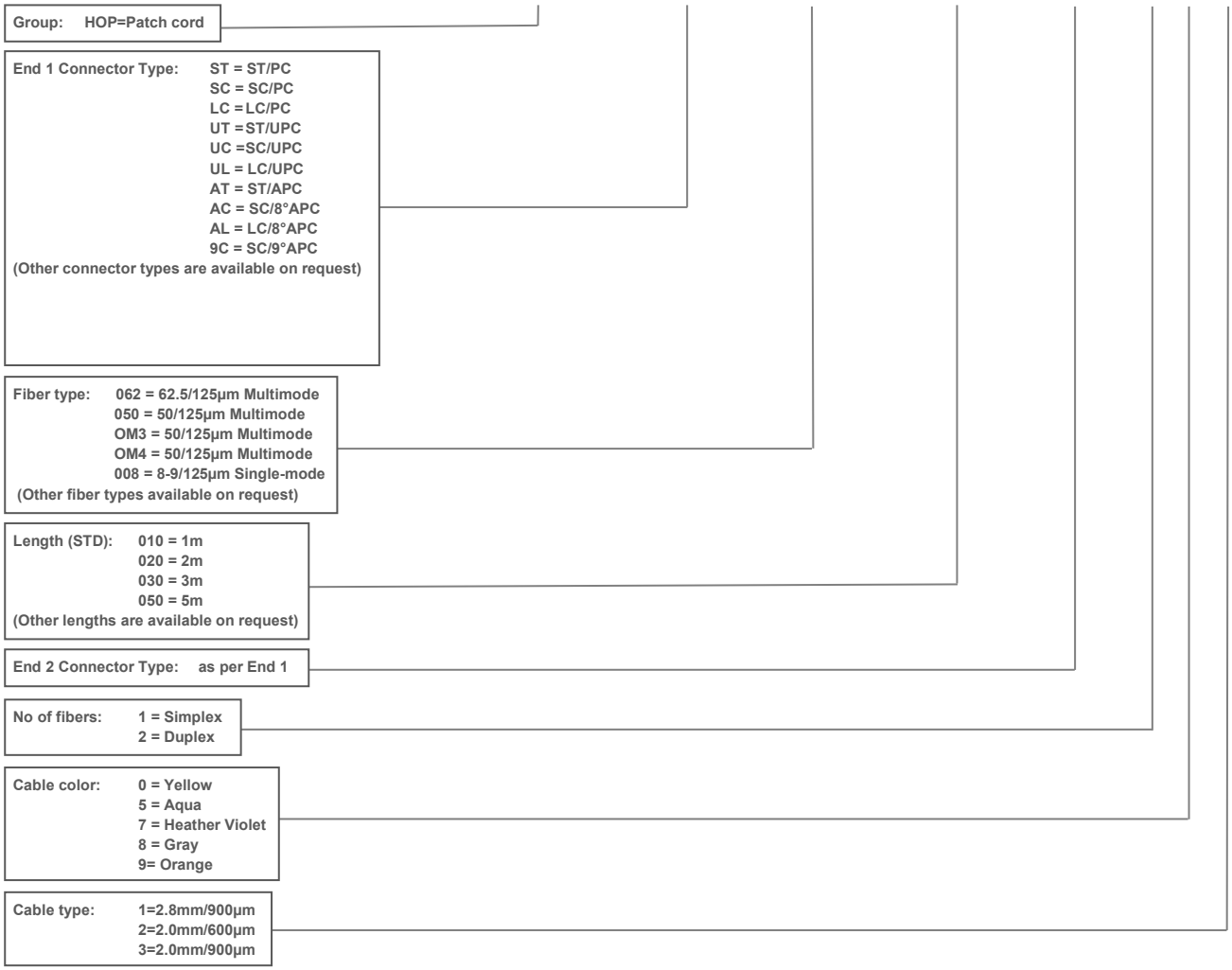

*"Leviton is **dedicated** to **designing**, **developing,** and **manufacturing***
*sustainable **high performance** structured cabling and specialty **cabling solutions**."*