

Fiber Optical Pigtails

Datasheet: GD015465v23

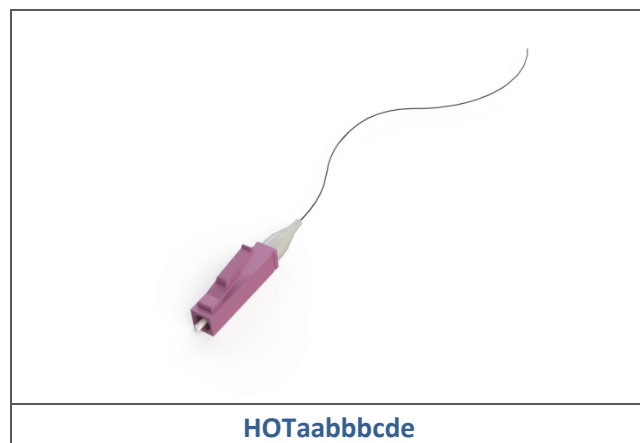


APPLICATION

Leviton supplies a range of pigtails providing cost-effective terminations of guaranteed quality. The use of Leviton connectors and cables in the manufacture of these assemblies guarantees the highest levels of long-term mechanical and optical performance.

FEATURES

- Single-mode and multimode options available
- Based on tight-buffered core
- All major connector types
- All major fiber types
- Color coded for easy identification



PART NUMBER BREAKDOWN

HOTAABBBBCDE

Group: HOT = Pigtail						
End Connector Type: SC = SC UC = SC UPC AC = SC APC LC = LC UL = LC UPC AL = LC APC AF ST = ST UT = ST UPC						
Fiber Type: 062 = 62.5/125µm Multimode 050 = 50/125µm Multimode OM3 = 50/125µm Multimode OM4 = 50/125µm Multimode 008 = 8-9/125µm Single-mode Other fiber types available on request						
Cable Type: 0 = 900µm 1 = 2.8mm 2 = 2.0mm Micro Tube 3 = 900µm Micro Tube 5 = 600 µm						
Cable Color: 0 = No Sheath 6 = Yellow 8 = Gray 9 = Orange						
Length (STD): 1 = 1m 2 = 2m 3 = 3m Other lengths available on request						

Fiber Optical Pigtailes

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ORDER INFO

	OM1	OM2	OM3	OM4	OS1/OS2
SC - 1m	HOTSC062001	HOTSC050001	HOTSCOM3001	HOTSCOM4001	HOTSC008001
ST - 1m	HOTST062001	HOTST050001	HOTSTOM3001	HOTSTOM4001	HOTST008001
LC - 1m	HOTLC062001	HOTLC050001	HOTLCOM3001	HOTLCOM4001	HOTLC008001

Note: Other connector types and options available

MECHANICAL SPECIFICATION

Length (ferrule tip – fiber end)	1m & 2m as standard	
Overall Length Tolerance	-0/+0.01m	
Pull Strength/Fiber Retention	Coated fiber 5 N $\pm$ 0.5 (1.12 lb.) per IEC 61300-2-4	
Buffer Color (900 μ m)	62.5/125	Blue
	50/125	Green
	Single-mode	Yellow
	OM3	Gray
	OM4	Red

ENVIRONMENTAL CONDITIONS

Temperature Cycling (IEC 874-1 sec.4.5.22)	-20 to +70°C, 40 cycles $\leq$ 0.2dB Change	Damp Heat (IEC 874-1 sec.4.5.19)	60°C at 95% RH, 96 hours $\leq$ 0.2dB Change
High Temperature (IEC 874-1 sec.4.5.18)	70°C for 96 hours $\leq$ 0.2dB Change	Vibration (Mated Pair) (IEC 874-1 sec.4.5.1)	10-55 Hz, 1.5mm P to P $\leq$ 0.3dB Change
Operating Temperature	-10°C to 70°C	Mating Durability (IEC 874-1 sec.4.5.32)	1000 mating cycles Clean every 25 < 0.2dB Change

OPTICAL PERFORMANCE

	Insertion Loss		Return Loss
Single-mode	Max. 0.3dB	Typical 0.1dB	$\geq$ 50dB (UPC)
			$\geq$ 65dB (APC)
Multimode	Max. 0.3dB	Typical 0.1dB	$\geq$ 20dB (PC)

PRODUCT PACKAGING

- Each pigtail is individually packed and labeled for ease of identification

PRODUCT CERTIFICATION

- Each pigtail is identified with a batch reference ID label and is supplied with individual test certification

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

The information contained in this document is valid and correct at the time of issue. Leviton reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.