

Fiber Optical Pigtails

Datasheet: GD015465v23

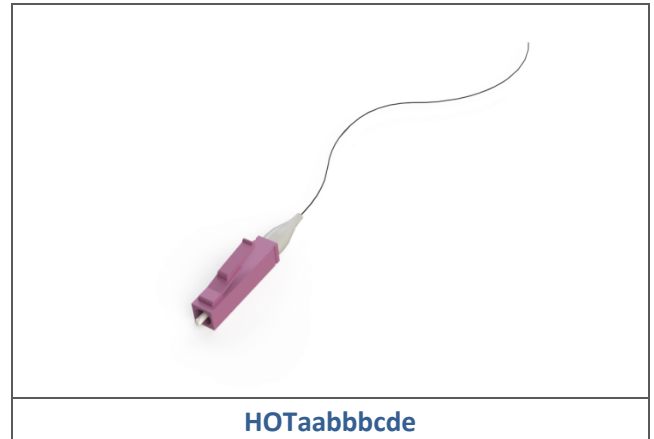


APPLICATION

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

HOTAABBBCDE

Group: HOTA = 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 Pigtails

Datasheet: GD015465v23



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 ± 0.5 (1.12 lb.) per IEC 61300-2-4	
Buffer Color (900µm)	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 ≤ 0.2dB Change	Damp Heat (IEC 874-1 sec.4.5.19)	60°C at 95% RH, 96 hours ≤ 0.2dB Change
High Temperature (IEC 874-1 sec.4.5.18)	70°C for 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
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	≥ 50dB (UPC)
			≥ 65dB (APC)
Multimode	Max. 0.3dB	Typical 0.1dB	≥ 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.