

# Uniboot Patch Cord

Datasheet: GD102904v2

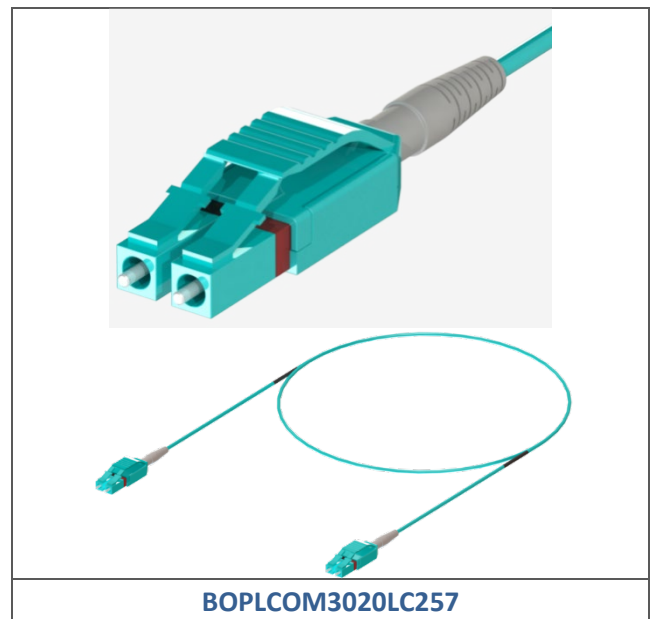


## APPLICATION

The Leviton Uniboot Patch Cord has been designed for use in high-density data center applications. The reduced cable diameter improves cable management by reducing the total volume of cable without reducing fiber count and is the perfect solution for improving accessibility in high-density cross-connect systems. The polarity of the uniboot patch cord can also be switched at the point of installation, making it a flexible choice for any fiber network.

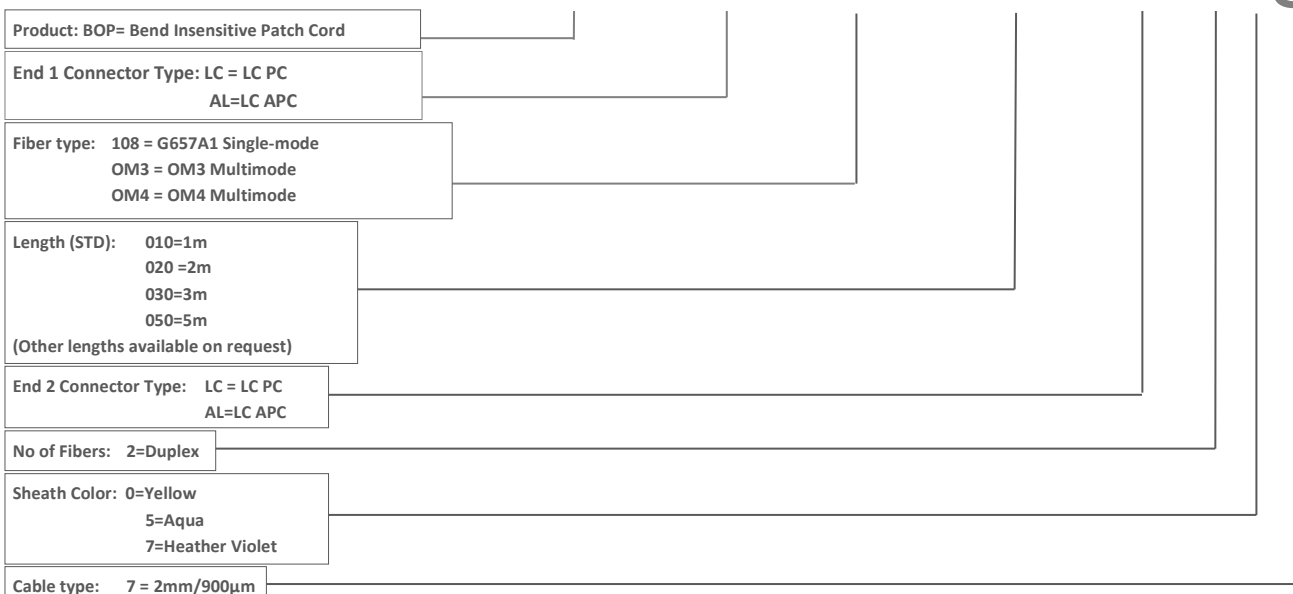
## FEATURES

- Uniboot design - allows for thin 2mm patch cords which creates ease of access and less dense patch cord routing
- Bend insensitive fiber as standard
- Switchable boot - removable and switchable boots allow for change in polarity at the installation location
- Shorter boot - the uniboot is a shorter length than standard duplex patch cords allowing for reduced radius routing, using less cabinet space
- Individually tested and certified
- Included in the Leviton 25-Year System Warranty when used in conjunction with Leviton fiber cabling and connectivity. System warranties are available for qualified projects installed by certified contractors



## PART NUMBER BREAKDOWN

# BOPaabbbccddefg



## EXAMPLE PART NUMBERS

Part Number	Item Description	Color
BOPAL108020AL207	Bend insensitive uniboot LC APC to LC APC duplex patch cord, 2.0mm diameter, 2m long with single-mode fiber	Yellow
BOPLCOM3010LC205	Bend insensitive uniboot LC PC to LC PC duplex patch cord, 2.0mm diameter, 1m long with OM3 multimode fiber	Aqua
BOPLCOM4050LC207	Bend insensitive uniboot LC PC to LC PC duplex patch cord, 2.0mm diameter, 5m long with OM4 multimode fiber	Heather Violet

## OPTICAL PERFORMANCE

- Multimode
  - Insertion loss:  $\leq 0.3\text{dB}$  Typical: 0.1dB
  - Return loss:  $\geq 20\text{ dB}$
- Single-mode
  - Insertion loss:  $\leq 0.3\text{dB}$  Typical: 0.1dB,  $\leq 0.2\text{dB(APC)}$  Typical: 0.1dB,
  - Return loss:  $\geq 45\text{dB}$ ,  $\geq 60\text{dB(APC)}$

## MECHANICAL SPECIFICATIONS

- Length (ferrule tip –ferrule tip): 1m to 5m with other lengths available on request
- Overall length tolerance: 0/+0.02m

## ENVIRONMENTAL CONDITIONS

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

*“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.