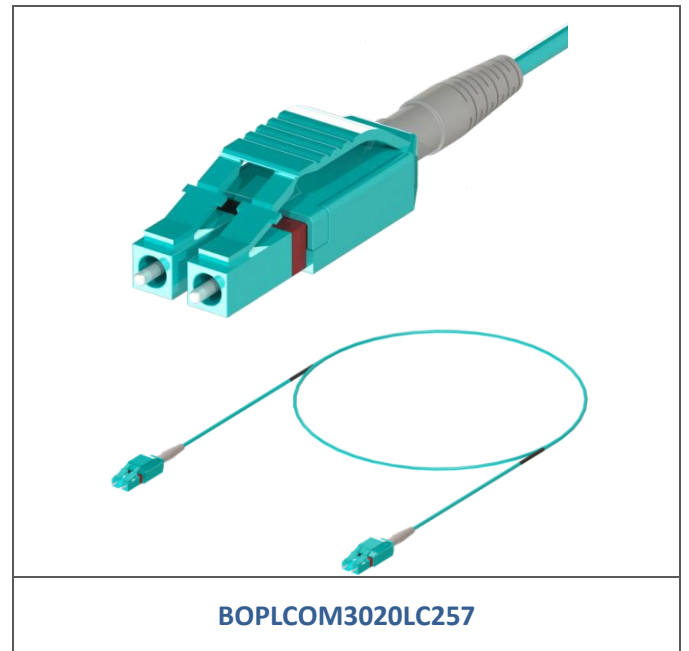


## APPLICATION

The Brand-Rex Uniboot Patchcord has been designed for use in high density data centre applications. The reduced cable diameter improves cable management by reducing the total volume of cable without reducing fibre count and is the perfect solution for improving accessibility in high density cross connect systems. The polarity of the uniboot patchcord can also be switched at the point of installation making it a flexible choice for any fibre network.

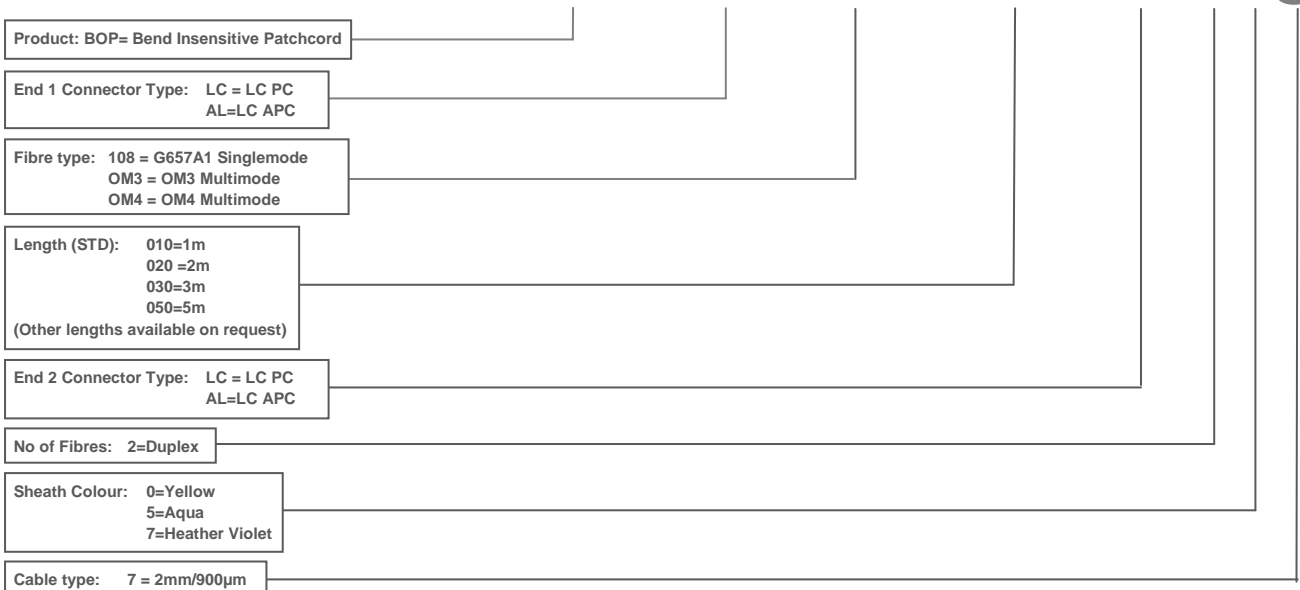
## FEATURES

- Uniboot design - allows for thin 2mm patch-cords which creates ease of access and less dense patch-cord routing
- Bend insensitive fibre 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 and Brand-Rex 25 Year System Warranties when used in conjunction with Leviton or Brand-Rex fibre cabling and connectivity. System warranties available for qualified projects installed by certified contractors



## PART NUMBER BREAKDOWN

# BOPaabbbccddefg



## EXAMPLE PART NUMBERS

Brand-Rex Part Number	Item Description	Colour
BOPAL108020AL207	Bend insensitive uniboot LC APC to LC APC duplex patch-cord, 2.0mm diameter, 2m long with singlemode fibre	Yellow
BOPLCOM3010LC205	Bend insensitive uniboot LC PC to LC PC duplex patch-cord, 2.0mm diameter, 1m long with OM3 multimode fibre	Aqua
BOPLCOM4050LC207	Bend insensitive uniboot LC PC to LC PC duplex patch-cord, 2.0mm diameter, 5m long with OM4 multimode fibre	Heather Violet

## OPTICAL PERFORMANCE

- Multimode
  - Insertion loss:  $\leq 0.3\text{dB}$  Typical: 0.1dB
  - Return loss:  $\geq 20\text{ dB}$
- Singlemode
  - 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 labelled 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

*“Brand-Rex is **dedicated to designing, developing and manufacturing sustainable high performance structured cabling and speciality cabling solutions**”*

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