

APPLICATION

The Brand-Rex Secure Lock system has been designed around a Patented Uni-body LC connector which can only be removed from an adapter with a unique keyed extraction tool. This system prevents unauthorised port access or changes to provide a secure area within Data centres and secure IT networks. The patch cords are pre-assembled with Uni – Body Duplex LC connectors that plug into any industry compliant LC Duplex and Quad adapters or active interfaces. The locking plug serves the purpose of closing the ports off, offering dust protection & restricting access. When fitted, this plug can only be removed with the correct the extraction tool. The keyed extraction tool unlocks and releases the LC connectors from ports. Keys are available for custom applications. The keys can be customised to only release the same coloured LC connector or blank adapter plug.

FEATURES

- Push to latch and lock provides a secure and tamper proof connection
- Suitable for very high density patching
- Designed to fit standard LC Duplex and Quad adapters & SFP LC transceiver interfaces
- Compact Uni-Body Duplex Design
- Uni-Boot Duplex LC design compatible with SM, MM cables and 900µm fibre tails
- Administrator Extraction tool prevents unauthorised change or removal
- Connector boot colours designate fibre type and application
- Blank adapter locking cap
- RFID compatible – for asset management smart patching



Secure LC Patch Cord System

ORDER INFO

Brand-Rex Part Number	Item Description	Length	Qty per Pack
OLPLC008010LCxxx	LC Duplex Singlemode Secure Patch Cord	1m	1
OLPLC008020LCxxx	LC Duplex Singlemode Secure Patch Cord	2m	1
OLPLC008030LCxxx	LC Duplex Singlemode Secure Patch Cord	3m	1
OLPLC008050LCxxx	LC Duplex Singlemode Secure Patch Cord	5m	1
OLPLCOM3010LCxxx	LC Duplex OM3 Multimode Secure Patch Cord	1m	1
OLPLCOM3020LCxxx	LC Duplex OM3 Multimode Secure Patch Cord	2m	1
OLPLCOM3030LCxxx	LC Duplex OM3 Multimode Secure Patch Cord	3m	1
OLPLCOM3050LCxxx	LC Duplex OM3 Multimode Secure Patch Cord	5m	1
OLPLCOM4010LCxxx	LC Duplex OM4 Multimode Secure Patch Cord	1m	1
OLPLCOM4020LCxxx	LC Duplex OM4 Multimode Secure Patch Cord	2m	1
OLPLCOM4030LCxxx	LC Duplex OM4 Multimode Secure Patch Cord	3m	1
OLPLCOM4050LCxxx	LC Duplex OM4 Multimode Secure Patch Cord	5m	1
OLCLCBK-yyy	Secure Patch Cord Black Adaptor Plug	N/A	1
OLCLCTOOL-015	Secure Patch Cord Master Extraction Key (Heather Violet)*	N/A	1

xxx =Locking connector colour

001 = Red, 002 = Black, 003 = White, 004 = Blue, 005 = Green, 006 = Yellow, 008 = Grey, 009 = Orange, 051 = Aqua

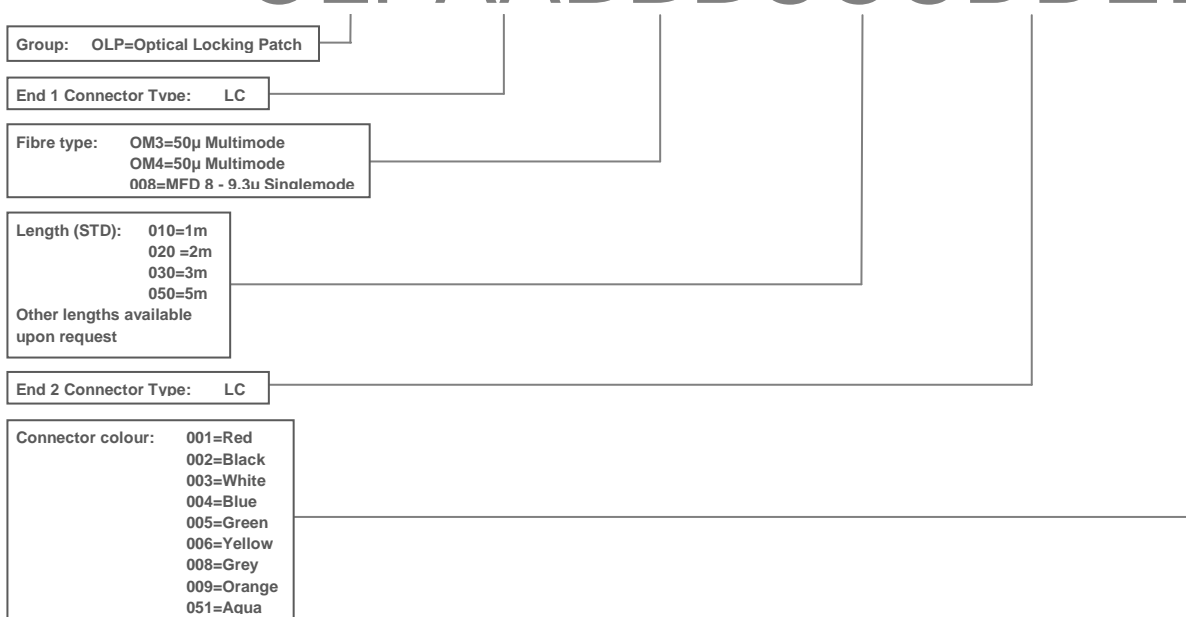
yyy=Plug colour

001 = Red, 002 = Black, 003 = White, 004 = Blue, 005 = Green, 006 = Yellow, 008 = Grey, 009 = Orange, 051 = Aqua
 *Extraction key is also available for custom applications with key colour matched to the connector colour. OLCLCTOOL-zzz
 zzz=Key colour

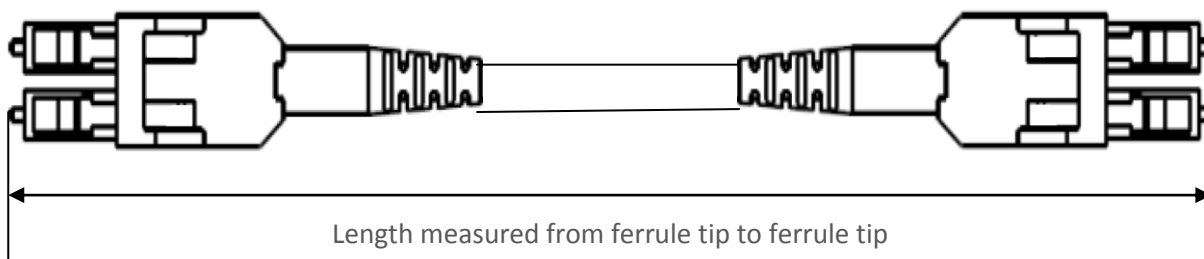
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PATCH CORD PART NUMBERING BREAKDOWN

OLPAABBBCCDDEEE



PATCH CORD PHYSICAL CHARACTERISTICS



PATCH CORD OPTICAL CHARACTERISTICS

- Typical Insertion loss: SM – 0.15dB, MM – 0.25dB
- Maximum Insertion loss: SM – 0.3dB, MM – 0.5dB
- Typical Return loss: - 55dB (UPC)
- Maximum Return loss: - 50dB (UPC)
- Durability: SM and MM ≤ 0.20dB change 500 cycles

PATCH CORD ENVIRONMENTAL CONDITIONS

- Operating temperature: -40°C to 70°C
- Storage temperature: -40°C to 70°C
- Installation temperature: -10°C to 70°C
- Crush: 3.5N/mm
- Impact: 0.74Nm
- Torsion: 10cycles, 0.3m (1ft) of cable
 - Attenuation
 - SMF – Residual increase in attenuation shall be $\leq 0.04\text{dB}$ at 1,550nm
 - MMF – Residual increase in attenuation shall be $\leq 0.06\text{dB}$ at 1,550nm

PATCH CORD CABLE FIRE PERFORMANCE

- Fire safety rating to IEC60332 and UL1666

*“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.