Unique Slide-In Xlight fiber optic ultra-high density LC splice cassettes are part of RiT’s Xlight F/O UHD Cassette Tray system.

Designed to support rapid and easy deployment of inter-connect, cross-connect and fiber-channel applications such as data centers, telecommunication rooms, storage area networks, horizontal, backbone and entrance facilities.

PRODUCT FEATURES

- Base-12 Splice Cassettes with 8/12 LC Pigtails and splice protection sleeves
- Up to 12 cassettes in 1U Xlight F/O UHD Tray (96/144 fibers)
- Integrated fiber splice holders
- Fiber Types: Multimode - OM3, OM4 & OM5, Singlemode - OS2
- Front Connectivity 6 LC duplex adapters Port numbering
- Two cassette handles, with magnetic locking and patch cords management clips, are included with each cassette.
- Cassettes can be rotated left or right when they are pulled out from the tray enabling easy access to trunk cable connectors without the need to remove any of the patch cords.
- Plastic materials: UL94-V0

APPLICABLE STANDARDS

TIA/EIA-568-C.3
IEEE 802.3bm 2015(100G/40G)
LC Connector and Adapters: TIA/EIA-604 FOCIS-10
ISO/IEC 11801
RoHS Complaint
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Plastic cassette materials</th>
<th>PC/ABS Resin</th>
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<tbody>
<tr>
<td>Flammability rate</td>
<td>Flame Retardant, UL94-V0</td>
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<tr>
<td>Fiber Count and Length</td>
<td>12/8 Fibers, 80 cm</td>
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<tr>
<td>Single Mode Fibers</td>
<td>9/125 μm, G657A2/G657B3</td>
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<tr>
<td>Multimode Fibers</td>
<td>50/125 μm, OM3/OM4/OM5, Bend-Insensitive</td>
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<tr>
<td>Fiber Coating</td>
<td>250 μm colored buffered fibers</td>
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<tr>
<td>LC Duplex Adapters</td>
<td>MM OM3/OM4 - Aqua, with/without shutters, MM OM5 - Lime Green, with/without shutter, SM UPC - Blue, with/without shutters, SM APC - Green, with/without shutters</td>
</tr>
<tr>
<td>Performance Insertion Loss per fiber</td>
<td>MM Cassettes: IL≤0.10 dB plus splice loss, SM Cassettes: IL≤0.10 dB plus splice loss</td>
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<tr>
<td>Performance Return Loss per fiber</td>
<td>MM Cassettes: RL ≥35dB, SM Cassettes: RL ≥55dB (UPC)/ ≥65dB (APC)</td>
</tr>
<tr>
<td>Durability</td>
<td>≤0.2dB &amp; 500 mating cycles</td>
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<tr>
<td>Operating temperature</td>
<td>-20° to +60°C</td>
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<tr>
<td>Storage temperature</td>
<td>-25° to +70°C</td>
</tr>
<tr>
<td>Weight</td>
<td>≤ 100 g</td>
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<tr>
<td>Packaging Weight</td>
<td>≤ 250 g</td>
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<tr>
<td>Shipping Dimensions (HxWxD)</td>
<td>30x180x180mm</td>
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### ORDERING INFORMATION

Part Number

R FHD C - [ ] - [ ] - [ ]

1. **Select Cassette Type**
   - 30 - Splice, Base-12, 6xLC Duplex
   - 31 - Splice, Base-12, 4xLC Duplex

2. **Select LC Adapter Type & Color**
   - B0 - SM (UPC), Blue, without Shutters
   - BS - SM (UPC), Blue, with Shutters
   - G0 - SM (APC), Green, without Shutters
   - GS - SM (APC), Green, with Shutters
   - A0 - MM (OM3/OM4), Aqua, without Shutters
   - AS - MM, (OM3/OM4), Aqua, with Shutters
   - L0 - MM (OM5), Lime Green, without Shutters
   - LS - MM (OM5), Lime Green, with Shutters
   - XX - Customized

3. **Select Fiber Type**
   - 1 - SM, G657A2
   - 2 - SM, G657B3
   - 7 - MM,OM3 BI
   - 8 - MM,OM4 BI
   - 9 - MM,OM5 BI

Examples:

- RFHDC-30-B5-1 - Xlight F/O UHD LC Splice Cassette, 12 Fibers, SM, G657A2, with shutters
- RFHDC-31-L5-9 - Xlight F/O UHD LC Splice Cassette, 8 Fibers, MM, OM5, BI, with shutters