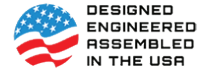


# COMPONENTS AND ACCESSORIES

## Modular Connector Assemblies

### LGX Cassettes - MPO Pre-Connectorized



#### BASE-8



Fibers: 8  
Adapters: front: 8 × SC SX  
rear: 1 × MPO-12



264-MC[x]03A1Z8[y][z]



264-MC[x]03A1Y8[y][z]



264-MC[x]03A1C8[y][z]



Fibers: 8  
Adapters: front: 4 × LC DX  
rear: 1 × MPO-12



264-MC[x]04B1Z4[y][z]



264-MC[x]04B1Y4[y][z]



264-MC[x]04B1C4[y][z]



264-MC[x]04B1D4[y][z]



Fibers: 8  
Adapters: front: 4 × SC DX  
rear: 1 × MPO-12



264-MC[x]03B2Z4[y][z]



264-MC[x]03B2Y4[y][z]



264-MC[x]03B2C4[y][z]



Fibers: 8  
Adapters: front: 2 × LC QX  
rear: 1 × MPO-12



264-MC[x]04C2Z2[y][z]



264-MC[x]04C2Y2[y][z]



264-MC[x]04C2C2[y][z]



264-MC[x]04C2D2[y][z]

#### BASE-12



Fibers: 12  
Adapters: front: 6 × LC DX  
rear: 1 × MPO-12



264-MC[x]04B1Z6[y][z]



264-MC[x]04B1Y6[y][z]



264-MC[x]04B1C6[y][z]



264-MC[x]04B1D6[y][z]



Fibers: 12  
Adapters: front: 6 × SC DX  
rear: 1 × MPO-12



264-MC[x]03B2Z6[y][z]



264-MC[x]03B2Y6[y][z]



264-MC[x]03B2C6[y][z]



Fibers: 12  
Adapters: front: 3 × LC QX  
rear: 1 × MPO-12



264-MC[x]04C2Z3[y][z]



264-MC[x]04C2Y3[y][z]



264-MC[x]04C2C3[y][z]



264-MC[x]04C2D3[y][z]



Fibers: 24  
Adapters: front: 6 × LC QX  
rear: 2 × MPO-12



264-MC[x]04C2Z6[y][z]



264-MC[x]04C2Y6[y][z]



264-MC[x]04C2C6[y][z]



264-MC[x]04C2D6[y][z]

#### Performance options:

Replace [x] in PN with  
A standard loss  
B low loss

#### Fiber transition types:

Replace [y] in PN with  
A Type-A  
B Type-B  
1 Type-U1  
2 Type-U2

#### Rear adapter orientation options:

[z] position in PNs shows adapter orientation convenient for connecting plugs.  
Replace [z] in PN with

1 MPO × 1 H    2 MPO × 1 V    3 MPO × 2 H    4 MPO × 2 V



#### Orientation:

Orientation (cable entry angle) of all rear adapter plates can be changed in the field by repositioning the adapter plate without disassembling the cassette. **Factory default – central position.**



#### KITTING

As-delivered:

- 1 × base with cover;
- 1 × front bracket with installed adapters;
- 1 × wiring harness matching connector type and fiber count;
- 1 × rear cable entry adapter plate with MPO adapter(s) matching fiber type and count;
- 2 × blank rear adapter plates;
- 1 × shipping box.

## Modular Connector Assemblies

### LGX Cassettes - MPO Pre-Connectorized

#### CHARACTERISTICS

|                             |   |   |  |
|-----------------------------|---|---|--|
| Compatibility:              | LGX-compatible mounting hardware with the following minimum rear depth space:<br>200 mm (8.0 in) for enclosed units;<br>160 mm (6.5 in) for open units.   |   |  |
| Mounting:                   | standard LGX footprint and mechanism:<br>overall profile dimensions: 30 mm × 130 mm (1.18 in × 5.12 in);<br>mounting opening dimensions: 29 mm × 103 mm (1.14 in × 4.06 in) min;<br>distance between mounting holes: 118 mm (4.65 in) ctc.                          |   |  |
| Materials:                  | aluminum alloy;<br>black powder coating;<br>panel fasteners: nylon/ABS.   |   |  |
| Interfaces:                 | front: adapters: SC SX, SC DX, LC DX, LC QX;<br>plugs: SC SX, LC SX;<br>rear: adapters: MPO-12 Type A flanged,<br>MPO-12 Type B flangeless;<br>plugs: low loss: MTP®-12 pinned (US Conec);<br>standard loss: MPO-12 pinned (SENKO).                                 |   |  |
| Insertion loss (IL):        | overall assembled cassette: 0.55 dB max;<br>plugs: SC SM: 0.20 dB typ 0.25 dB max;<br>SC MM: 0.12 dB typ 0.20 dB max;<br>LC SM: 0.13 dB typ 0.20 dB max;<br>LC MM: 0.17 dB typ 0.20 dB max;<br>MPO SM: 0.10 dB typ 0.35 dB max;<br>MPO MM: 0.10 dB typ 0.35 dB max. |   |  |
| Return loss (RL):           | UPC: ≥55 dB (when used with standard-compliant plugs);<br>APC: ≥65 dB (when used with standard-compliant plugs).  |   |  |
| Front adapter construction: | one-piece design;<br>Zirconia ceramic sleeves, split;<br>see details on page 6.   |   |  |
| Front adapter mounting:     | flush with cassette's front plane.  |   |  |
| Connector compliance:       | IEC 61754-4 (type SC connector family), TIA-604-3 (FOCIS 3);<br>IEC 61754-20 (type LC connector family), TIA-604-10 (FOCIS 10B);<br>IEC 61754-7-1 (type MPO connector family), TIA-604-5 (FOCIS 5).   |   |  |
| Threaded joints:            | SI (metric).  |   |  |
| Dimensions:                 | cassette box:   | W: 130 mm (5.12 in),<br>H: 29 mm (1.14 in),<br>D: 130 mm (5.12 in);               |  |
|                             | assembled cassette:   | W: 130 mm (5.12 in),<br>H: 29 mm (1.14 in),<br>D: 130 mm–145 mm (5.12 in–5.7 in). |  |
| Weight:                     | cassette box:   | 150 g (5.3 oz);   |  |
|                             | assembled cassette:   | ~200 g (7.0 oz), varies depending on configuration.                               |  |
| Environmental:              | operating temperature:  | -10 °C–60 °C (14 °F–140 °F);  |  |
|                             | storage temperature:  | -40 °C–70 °C (-40 °F–158 °F);   |  |
|                             | operating humidity:   | 95 % RH max non-condensing.   |  |
| Compatibility:              | Telcordia GR-326-CORE.  |   |  |
| Compliance:                 | ANSI/TIA-568.3-D;<br>GR-769;<br>ANSI/UL 94 V-0;<br>Regulation (EC) No 1907/2006 (REACH);<br>Directive 2011/65/EU Am. 2015/863/EU (RoHS2).   |   |  |

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