

32 Core MPO to MPO Trunk Cable



Description

The BlueOptics© SFP5555XUMX MPO Trunk Cable is a high density, high performance, cost effective cable solution.

All BlueOptics© MPO Trunk Cable come with high return loss and low insertion loss.

BlueOptics© high density MPO Trunk Cables can combine up to 144 Cores in only one Cable.

BlueOptics© MPO Cables are available in many different variants to fit your needs:

- Multi Mode or Single Mode
- Up to 144x Cores in one Cable
- MPO or MTP Connector
- LC, SC and ST Connector
- Breakout
- Trunk

Features

- ✓ 2x MPO Connector with 32 Cores
- ✓ PC or APC Polish
- ✓ High Quality Ceramic Zirconia Ferrule
- ✓ Brand-name Fiber
- ✓ Multi mode or Single mode
- ✓ Insertion Loss: $\leq 0.4\text{dB}$
- ✓ Nissin Kasei MPO Components
- ✓ Highest Connector Quality: Up 1500 mating cycles
- ✓ Interferometer tested
- ✓ Single Packed
- ✓ Test Report

Applications

- ✓ Data Center
- ✓ Modular Networks
- ✓ Fiber Networks

Warnings

Laser Safety: Even small radiation emitted by laser devices can be dangerous to human eyes and lead to permanent eye injuries. Be sure to avoid eye contact with direct or indirect radiation.

Warranty

Every BlueOptics® MPO Trunk Cable comes with a 25 year replacement warranty and lifetime support. For a warranty inquiry, please contact your CBO sales representative.

This warranty only covers the first user of the equipment.

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by CBO before they become applicable to any particular order or contract. In accordance with the CBO policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of CBO or others.

Further details are available from any CBO sales representative.

Installation

Remove the dust caps of the MPO Connector.

Connect the MPO Connector to your device.

You can now use your connection.

If you got problems with the connection:

- *Please make sure the connector is clean. If not, use a tissue and anhydrous alcohol to clean it accurate.*
- *Make sure to use BlueOptics® products for full functionality.*

Regulatory Compliance

| Feature | Standard | Co. |
|-----------------------|--------------------------|-----|
| Smoke Density Purpose | IEC-61034 | ✓ |
| Halogen Acid Content | IEC-754-1 | ✓ |
| Flame Resistance | IEC 60332-1, IEC 60332-3 | ✓ |
| Component Recognition | IEC/EN 60950, UL | ✓ |
| RoHS | 2002/95/EC | ✓ |
| WEEE | 2002/96/EG | ✓ |

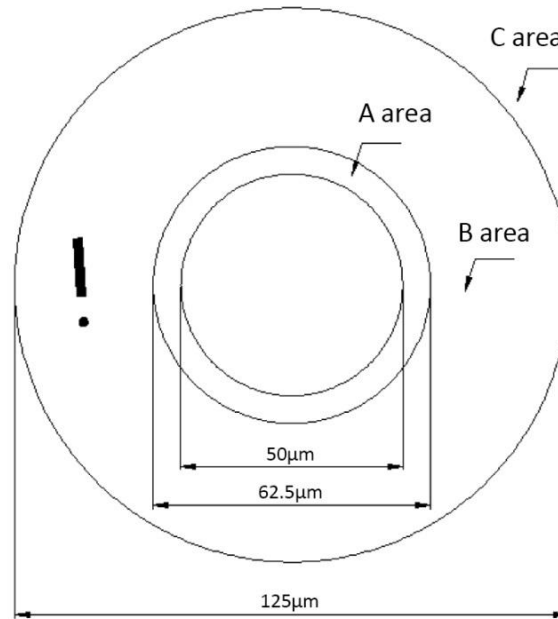
1. MPO/UPC Geometrical Parameter

| Parameter | Standard | |
|---------------------|--------------------------|---------|
| | Minimum | Maximum |
| Insertion Loss (dB) | 0.4 | 0.7 |
| Apex offset (um) | 0 | 50 |
| Fiber Height(nm) | -0.02*R3 +1.3R2 -31R+325 | 100 |

2. Reliability Performance

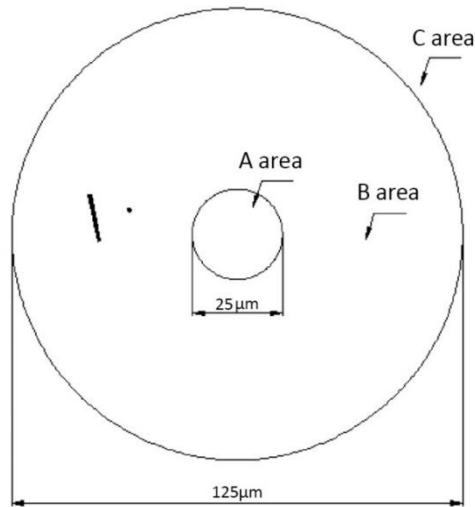
| Item | Content | Standard Clause | Conclusion |
|------|---|---------------------|------------|
| 1 | New Device Performance | GR-326-Core 4.4.1 | OK |
| 2 | High Temperature Aging | GR-326-Core 4.4.2.1 | OK |
| 3 | Temperature Cycle | GR-326-Core 4.4.2.2 | OK |
| 4 | Damp-heat Aging | GR-326-Core 4.4.2.3 | OK |
| 5 | Damp & Hot/ Condensation Cycle | GR-326-Core 4.4.2.4 | OK |
| 6 | Draying (Not test Item) | GR-326-Core 4.4.2.5 | N/A |
| 7 | Temperature Cycle after Condensation | GR-326-Core 4.4.2.6 | OK |
| 8 | Vibration | GR-326-Core 4.4.3.1 | OK |
| 9 | Buckling | GR-326-Core 4.4.3.2 | OK |
| 10 | Twist | GR-326-Core 4.4.3.3 | OK |
| 11 | Tensile | GR-326-Core 4.4.3.4 | OK |
| 12 | Transmission Performance with Loading | GR-326-Core 4.4.3.5 | OK |
| 13 | Impact | GR-326-Core 4.4.3.7 | OK |
| 14 | Durability | GR-326-Core 4.4.3.8 | OK |
| 15 | Device test after environmental and mechanical test | GR-326-Core 4.4.3.9 | OK |
| 16 | Salt Spray | GR-326-Core 4.4.4.4 | OK |
| 17 | 85°C water soak | GR-326-Core 4.4.4.5 | OK |

3. Quality assurance – Multi Mode



| Area A (0~50µm): | Area B (50~125µm): | Area C (125~250µm): |
|--|--|---|
| <ul style="list-style-type: none"> - No any scratch, chips / black dot - No cleanable dust | <ul style="list-style-type: none"> - White slight scratch width $\leq 2\mu\text{m}$, no limit of length, Acceptable Quantity ≤ 3 - No black scratches - Chips /black dot diameter $\leq 2\mu\text{m}$, Acceptable Quantity ≤ 3 - No cleanable dust | <ul style="list-style-type: none"> - White slight scratch width $\leq 2\mu\text{m}$, no limit of length, Acceptable Quantity ≤ 5 - No black scratch - Chips /black dot diameter $\leq 5\mu\text{m}$, Acceptable Quantity ≤ 5 - No cleanable dust - No flaw for ceramic ferrule |

4. Quality assurance – Single Mode



| Area A (0~25µm): | Area B (25~125µm): | Area C (125~250µm): |
|--|---|---|
| <ul style="list-style-type: none"> - No any scratch, chips / black dot - No cleanable dust | <ul style="list-style-type: none"> - White slight scratch width = 1µm, no limit of length, Acceptable Quantity=2 - No black scratches - Chips /black dot diameter ≤2µm, Acceptable Quantity≤2 - No cleanable dust | <ul style="list-style-type: none"> - White slight scratch width ≤2µm, no limit of length, Acceptable Quantity≤3 - No black scratch - Chips /black dot diameter ≤5µm, Acceptable Quantity≤3 - No cleanable dust - No flaw for ceramic ferrule |