



Product: [TL42BLDTLCBxxxM](#)

TL640 OM4 LC_DX LC_SX xxxM 11-20P/TOP 900x1.0xIL OFNP EV

Product Description

TL HARNESS, TLX640 (TOP), OM4, 11-20 PORTS (21-40 FIBERS), LC DUPLEX (1.6MM x STAGGERED) - LC SIMPLEX (900UM x 1.0M x IN-LINE), OFNP, xxx M, ERIKA VIOLET JACKET

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Data Center, LAN, Equipment Room, Telecommunication room, Workstation Area |
|------------------------|--|

Fiber Specifications

| | |
|----------------------|-----------|
| Fiber Type: | OM4 |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Count: | 20 |
| Fiber Color Coding: | TIA-598-D |

Physical Specifications

Connectors

| Description | Type | Housing Material | Housing Color | Ferrule | Boot Material | Boot Color |
|---------------------------|------------|------------------|---------------|------------------|---------------|--------------|
| Connector A (Inside End) | LC Duplex | Plastic | Erika Violet | Zirconia Ceramic | Rubber | Erika Violet |
| Connector B (Outside End) | LC Simplex | Plastic | Erika Violet | Zirconia Ceramic | Rubber | Erika Violet |

Fan-out (Legs)

| Description | Transition | Length (m) | Diameter | Geometry |
|---------------------------|------------|------------|----------|-----------|
| Connector A (Inside End) | LPM | | 1.6 mm | Staggered |
| Connector B (Outside End) | LPM | 0.5 m | 900 µm | In-Line |

Assembly Cable

| Cable Nominal OD | Jacket Color |
|------------------|--------------|
| 4.8 mm | Erika Violet |

Measurement

| Overall Assembly Length |
|-------------------------|
| xxx meters |

Overall Length Tolerances

| Range | Tolerance |
|-------------------|-----------------|
| 0 to 2 meters | +0.2 / -0 meter |
| 2.1 to 4.9 meters | +0.3 / -0 meter |
| 5 to 40 meters | +0.4 / -0 meter |
| over 40 meters | +1.0% / -0% |

Armor Specifications

| | |
|--------------------------|----------|
| Armor Type and Material: | No Armor |
|--------------------------|----------|

Optical Characteristics

| | |
|--------------------------|-----------------|
| Polarity Identification: | A-to-A / B-to-B |
|--------------------------|-----------------|

Fiber Connector Performance

| Description | Connector Type | Max. Insertion Loss | Min. Return Loss |
|---------------------------|----------------|---------------------|------------------|
| Connector A (Inside End) | LC Duplex | 0.15 dB | 30 dB |
| Connector B (Outside End) | LC Simplex | 0.15 dB | 30 dB |

Mechanical Characteristics

| | |
|---------------------------------------|----------------|
| Pulling Eye Type: | FX Pulling Eye |
| Pulling Eye Location: | Outside End |
| Pulling Eye Tension: | 100 lbs |
| Min. Bend Radius During Installation: | 15x Cable OD |
| Min. Bend Radius During Operation: | 10x Cable OD |

Temperature Range

| | |
|------------------------------|--------------|
| Operating Temperature Range: | -40C to +75C |
| Storage Temperature Range: | -40C to +75C |

Standards and Compliance

| | |
|----------------------------------|----------------------------------|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | OFNP |
| UL Rating: | Plenum |
| TIA/EIA Compliance: | TIA/EIA 568.3 |
| European Directive Compliance: | EU Directive 2011/65/EU (RoHS 2) |
| MII Order #39 (China RoHS): | EUP 50 |
| Other Standard Compliance(s): | ACMA |

Product Notes

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|----------------|---|
| Related Parts: | DCX system, FX UHD Patch Panels, ECX Patch Panels, FX Patch cords, FX MPO Trunks, FX Multi-fiber Trunks |
|----------------|---|

History

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| Update and Revision: | Revision Number: 0.9 Revision Date: 07-21-2023 |
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