



**Product:** [TL42BLDTLCB010M](#)

TL640 OM4 LC\_DX LC\_SX 10M 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, 10 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	Packaging
10 m (32.8 ft)	Individually packaged in a plastic spool

##### 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

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

#### History

Update and Revision:	Revision Number: 0.8 Revision Date: 07-21-2023
----------------------	--

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.