EDGE™ Solutions Harness, 50 µm multimode (OM3) 12 F, MTP® PRO to 6 LC Duplex Uniboot Connectors, Cisco 9512/9412 stagger, 1.65 m

Part Number:
H937912TLZ-1A1.65M

One of the critical challenges facing data center owners, operators, and maintenance personnel in high-density (HD) computing areas is how to provide high-port-concentration deployments to support the latest generation of high-speed switches without losing them under a mass of patch cables.

A harness is an ultra-slim 12-fiber (2.0 mm) pre-terminated fiber cable with an MTP® PRO connector on one end and typically four or six LC duplex connectors on the opposite end. The majority of the harness is a single cable which breaks out into six, 2-fiber legs to enable connectivity to the switch ports which are staggered to replicate the specific switch ports to save on excess cable length.

Specially designed harnesses are available for distribution switches for various Cisco Nexus Series or Brocade DCX switches using SFP+ (LC interfaces) for 10/40Gig Ethernet or 8Gig fiber Channel with duplex transmission or port mirroring, aggregation, fabric, or tap applications.

Advanced optical harnesses with high-fiber-count MTP PRO connectors are designed to enable parallel optic conversion for 40 and 100Gig applications.

The ultimate high-density solution for port hot spots in data centers.

Features and Benefits

Slim round 2-fiber interconnect cable
Improves airflow and reduces congestion

MTP PRO connectors
Allows for pinning and poliarity changes in the field

Low-loss connectivity
Enables system design flexibility

Bend-improved fiber
Allows tighter cable bends for slack storage and routing, less risk of downtime due to pinched or bent cables

Corning® CleanAdvantage™ technology and optimized dust cap
Eliminates the need for scoping and cleaning prior to initial field connection

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Specifications

Pulling Grip - Connector B	
Pulling Grip	No

Furcation - Connector A	
Leg Diameter	2.9 mm
Leg Count	1

Furcation - Connector B	
Leg Diameter	2 mm
Shortest Staggering Leg Length (mm)	125 mm
Plug Type	Size 1 EDGE™
Leg Count	1
Plug Height	15 mm
Plug Width	21 mm
Plug Depth	40 mm

Environmental Conditions	
Temperature Range, Storage	-25 °C - 70 °C (-13 °F - 158 °F)
Temperature Range, Installation	0 °C - 50 °C (32 °F - 122 °F)
Temperature Range, Operation	0 °C - 60 °C (32 °F - 140 °F)

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Specifications - Connector B	
Polish	PC
Insertion Loss, Max.	0.25 dB
Tensile Strength Jacketed Cable	44 N
Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Keyed (security)	No
Boot Color	Aqua
Connector Type	LC duplex
Ferrule Material	Ceramic
Housing Color	Black
Housing Material	Composite
Boot Type	Uniboot

Dimensions	
Length	1.65 m
Outer Diameter	2.9 mm

Mechanical Specifications	
Tensile Strength	400 N
Crush Resistance	750 N/10 cm
Min. Bend Radius Installation	29 mm

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Design	
Fiber Count	12
Outer Jacket Material	LSZH™/FRNC
Outer Jacket Color	Aqua

Specifications - Connector A	
Polish	PC
Insertion Loss, Max.	0.35 dB
Tensile Strength Jacketed Cable	44 N
Durability	≤ 0.2 dB change, 200 rematings, FOTP-21
Keyed (security)	No
Boot Color	Black
Connector Type	MTP® PRO (pinned)
Ferrule Material	Composite
Housing Color	Aqua
Housing Material	Composite
Boot Type	Individual

Pulling Grip - Connector A	
Pulling Grip	No

General Specifications	
Flame Rating	LSZH™/FRNC

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General Specifications	
Fiber Category	50 µm MM (OM3)

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Optical Characteristics	
Fiber Code	T
Fiber Name	G50/125 ULTRA-BEND 7.5
Fiber Type	Multimode
Fiber Core Diameter	50 µm
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1100 MHz*km / 600 MHz*km
Serial 10 Gigabit Ethernet	300 MHz*km/ 333 MHz*km
Typical Attenuation	2.4 / 0.8
Wavelengths	850 nm / 1300 nm
Fiber Category	OM3

RoHS COMPLIANT

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