Pretium EDGE® Solutions Harness, 50 µm multimode (OM4)

Universal LC leg length of 6 inch, 12 F, 10 ft

CORNING

Pretium EDGE® Solutions harnesses are used to break out the 12-fiber MTP® Connectors terminated on trunk cables into LC connectors. Utilizing 12-fiber MTP and LC uniboot connector technology, Pretium EDGE Solutions harnesses reduce cable congestion in front of the SAN director for easy moves, adds and changes (MACs). The harnesses feature a custom-engineered taper to match the port pitch in the electronics to provide seamless integration between the cabling infrastructure and electronics.

Furcation plugs can be snapped together to maximize harness organization in front of the electronic ports, and they contain an integrated Velcro strap hoop to improve the cabling aesthetics of even the densest SAN directors. The use of harnesses provides a solution that occupies less space than traditional jumpers, as the cable end of the harness is much smaller than the six equivalent patch cords. This reduced cabling bulk improves airflow for increased cooling and facilitates easier MACs.

Pretium EDGE® Solutions standard harnesses have a pinned MTP® connector on one end that connects to a trunk; the other end is equipped with LC-style uniboot connectors that plug into electronic ports. This is used when the cross-connect location (MDA) is located in a separate area from the SAN director (EDA).

Part Number: H937912QPH-4Z010F

Features and Benefits

Custom engineered harness assemblies
Allow seamless integration into the most common SAN directors

Low insertion loss performance
Allows for more connections in a link when deploying a TIA-942-compliant system

Universal wired components
Enable moves, adds and changes without polarity concerns; provide a simple migration path between 2-fiber and parallel optic applications

Factory-terminated solutions
Provide consistent quality, ensure system performance and reduce installation time

RoHS COMPLIANT

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Standards

Approval and Listings NFPA 262, National Electrical Code® (NEC®), OFNP, CSA FT-6

Specifications

General Specifications	
Application	Data Center LAN/SAN, High-Density field switches
Cable Type	Indoor; ANSI/ICEA S-83-596
Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM4)
Cable Assembly Type	Pretium EDGE® Harness

Temperature Range	
Operation	-10 °C to -60 (14 °F to 140 °F)

Design - Connector A	
Connector Type	MTP® (pinned)
Ferrule	Composite

Optical Specifications - Connector A	
Reflectance, Typical	< -20 dB
Insertion Loss, Max.	0.35 dB

Design - Connector B	
Connector Type	LC Uniboot
Ferrule	Ceramic

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Optical Specifications - Connector B	
Reflectance, Typical	< -20 dB
Insertion Loss, Max.	0.15 dB

Cable Design	
Fiber Count	12
Outer Jacket Color	Aqua
Polarity	Universal
Application	Standard

Mechanical Characteristics Cable	
Nominal Outer Diameter	2.9 mm
Min. Bend Radius Installation	44 mm (1.8 in)
Min. Bend Radius Operation	15 mm (0.6 in)
Max. Tensile Strength for Installation	220 N
Weight	4.6 kg/km (10.2 lb/1000 ft)

Furcation - Connector A	
Leg Length	152 mm (-4/+4 mm)
Leg Length in Inches - A	6 in (-0.16/+0.16)
Leg Color	Aqua
Leg Diameter	2 mm
Furcation Type - A	Pretium EDGE® Harness Plug

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

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Fiber Specifications

Optical Characteristics (cabled)	
Fiber Compliance	IEC 60793-2-10 for A1a class 50/125 multimode fibers; TIA/EIA 492AAAD (OM4); ITU-T Recommendation G.651; ISO/IEC 11801 Grade OM4
Fiber name	G50/125 Pretium 300 ULTRA-BEND 7.5
Fiber Core Diameter	50 µm
Fiber Type	Multimode
Fiber Category	OM4
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Serial 1 Gigabit Ethernet	1000 m / 600 m /
Serial 10 Gigabit Ethernet	600 m / -
Standards in Compliance	TIA/EIA 492AAAC-A, Tested with minEMBc method to TIA/EIA 455-220, IEC 60793-2-10 Type A1a.2 Ed.2.0 and IEC 60793-1-49 Ed.2.0, ITU-T G651, ISO/IEC 11801 Cat. OM3
Fiber Code	Q
Induced Attenuation @ 7.5 mm Radius	< 0.2 dB / -

Notes:
1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel
2) Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions
3) Improved attenuation and bandwidth options available
4) Bend-insensitive single-mode fibers available on request
5) Contact a Corning Cable Systems Customer Service Representative for additional information

Ordering Information

Order Number	H937912QPH-4Z010F
Product Description	Pretium EDGE® Solutions Harness, 50 µm multimode (OM4), Universal LC leg length of 6 inch, 12 F, 10 ft
Weight	0.54 kg (1.2 lb)
Length in Feet	10 ft (-0 in/+1.5 in)
Length	3 m (-0 mm/+38.1 mm)

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Shipping Information

Units per Delivery	1/1

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