

# Plug & Play™ Universal Low-Loss Harness, 50 µm multimode (OM4)

MTP® (pinned) to LC, 12 F, with 24 inch legs, 7 ft

CORNING

Plug & Play™ Universal Systems harnesses are used to break out the 12-fiber MTP® Connectors terminated on trunk cables into duplex-style connectors. 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 size of equivalent jumpers. This reduced cabling bulk improves airflow for increased cooling and facilitates easier moves, adds and changes (MACs). Plug & Play Universal Systems harnesses are available in two styles. Plug & Play Universal Systems standard harnesses have a pinned MTP Connector on one end that connects to a trunk; the other end is equipped with LC or SC connectors that plug into the electronic ports.

## Features and Benefits

### Factory-terminated solutions

Provide consistent quality, ensure system performance and reduce installation time

### Universal-wired modular system components

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

### Corning® ClearCurve® 50 µm Optical Fiber

Offers enhanced bend performance, allowing tighter cable routing without negatively impacting system performance

### 100G Ready performance

Ensures product will meet the requirements of 100G Ethernet applications

### Maximum skew of 0.75 ns

Product is assured to work in parallel optic applications for Ethernet, Fibre Channel and InfiniBand



Part Number: H930512QE8-KZ007F

## Standards

### Approval and Listings

National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596

### Design and Test Criteria

NFPA 262 (for plenum, riser and general building applications)

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## Specifications

### General Specifications

Application	Data Center LAN/SAN
Cable Type	Loose Tube
Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM4)
Cable Assembly Type	Plug & Play™ Harness

### Temperature Range

Operation	0 °C to 70 °C (32 °F to 158 °F)
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### Design - Connector A

Connector Type	MTP® (pinned)
Ferrule	Composite

### Optical Specifications - Connector A

Reflectance, Typical	< -20 dB
Insertion Loss, Max.	0.15 dB

### Design - Connector B

Connector Type	LC duplex
Ferrule	Ceramic

### Optical Specifications - Connector B

Reflectance, Typical	< -20 dB
Insertion Loss, Max.	0.15 dB

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## Cable Design

Fiber Count	12
Outer Jacket Color	Aqua
Polarity	Universal; TIA-568 Type-B

## Mechanical Characteristics Cable

Nominal Outer Diameter	3.3 mm (0.13 in)
Min. Bend Radius Installation	33 mm (1.3 in)
Min. Bend Radius Operation	50 mm (2 in)
Max. Tensile Strength for Installation	220 N
Weight	10 kg/km (6.7 lb/1000 ft)

## Optical Characteristics (cabled)

Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3 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	550 m / -
Induced Attenuation @ 7.5 mm Radius	< 0.2 dB (2 turns; 7.5 mm radius; 850 nm)
Skew	< 0.75 ns @ 300 m

## Furcation - Connector B

Leg Length	610 mm (+76 mm/-0 mm) (24 in (+3 in/-0 in))
Leg Color	Aqua
Leg Diameter	2 mm
Furcation Type - B	PnP Harness Plug

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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## Ordering Information

Part Number	H930512QE8-KZ007F
Product Description	Plug & Play™ Universal Low-Loss Harness, 50 µm multimode (OM4), MTP® (pinned) to LC, 12 F, with 24 inch legs, 7 ft
Weight	1 kg (2 lb)
Length	7 ft (2.13 m)

## Shipping Information

Units per Delivery	1/1
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