QuickNet™ QSFP Harness Cable Assemblies

**Construction**

- **Cable type:** Indoor flat ribbon
- **Cable jacket ratings:**
  - Plenum OFNP
  - Low Smoke Zero Halogen (LSZH)
- **Fiber types:**
  - Multimode: OM3 50/125µm
  - OM4 50/125µm
- **Connector types, end ‘A’:**
  - MPO female
  - MPO male
- **Fiber count:** 8
- **Jacket color:**
  - OM3: Aqua
  - OM4: Aqua
- **Connector types, end ‘B’:** LC duplex

**Application**

Interconnection of QSFP+ modular transceiver ports in 40 GbE switches with multiple SFP+ modular ports in 10 GE switches.

**Physical properties**

- **Cable outside diameter (OD):** 2.5 x 5mm
- **Minimum bend radius:** 20 x Cable OD (installation)
- **Cable tensile strength:** 660N
- **Cable compressive load:** 35N/cm
- **Cable flex:** 25 cycles
- **Cable twist:** 10 cycles
- **Connector cable retention:** 50N
- **Connector durability-singlemode:**
  - MPO – 500 mating cycles
- **Breakout outside diameter:** 13.0mm
- **Bend radius installation:**
  - Installation: 76.2mm
  - Long term: 38.1mm
- **Cable tensile strength:**
  - Installation: 440N
  - Long term: 18N

**Optical properties**

- **Maximum cable attenuation:**
  - OM3 3.5dB/km at 850nm, 1.5dB/km at 1300nm
  - OM4 3.5dB/km at 850nm, 1.5dB/km at 1300nm
- **Maximum connector insertion loss:**
  - Per mated pair: 0.50dB typical, 0.75dB max.
- **Minimum connector return loss:**
  - Multimode: OM3 26dB minimum
  - OM4 26dB minimum

**Environmental properties**

- **Operating temperature:** 0°C to 50°C
- **Storage and shipping temperature:** -40°C to 65°C
- **Installation temperature:** 0°C to 50°C

**Standards**

Meets or exceeds ISO/IEC 11801, TIA/EIA-568-C.3, TIA-604-5 (FOCIS-5), TIA/EIA-568-C.1

RoHS Compliant
QuickNet™ QSFP Harness Cable Assemblies

**Part Number**

Example: FZ8HP5NL5QNM001 = Fiber OM4, 8 fiber, flat ribbon, plenum rated, MPO female to LC duplex QSFP to SFP breakout with 61cm equal breakout, standard IL, no pulling eye, 1m

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Other options are available as follows:

- **Fiber Type:** OM1 62.5/125, OM2 50/125, OM4+ 50/125 Sig Core
- **Connector Variant:** 46cm (18”) equal breakout, 76cm (30”) equal breakout, 91cm (36”) equal breakout

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**Harness Assembly Detail**

Overall Length as Measured Between Ferrule End Faces

Female MPO Connector with Dust Cap Removed

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