

MFP7E20-N0xx-SKY

Up to 15m Mellanox® Compatible MPO-8/APC to 2xMPO/APC Aqua OM4 LSZH 8-Strand Fiber Patch Cable

Product Description

This is a Mellanox® compatible MPO-8/APC to 2xMPO/APC Aqua OM4 LSZH 8-Strand Fiber Patch Cable. OM4 fiber optic cable is a high-performance multimode fiber optimized for high-speed data transmission, supporting up to 100G over distances of up to 150 meters. Ideal for data centers and large-scale network infrastructures, it delivers superior bandwidth and reliability for demanding business applications. LSZH (Low Smoke Zero Halogen) fiber cable jackets are designed to minimize toxic smoke and harmful emissions in the event of a fire, making them ideal for enclosed or high-traffic areas. These cables provide enhanced safety and environmental protection, making them a popular choice for businesses prioritizing workplace safety and eco-friendly infrastructure. The Standard Boot option provides reliable and straightforward connections for fiber cables, making it an economical choice for various networking applications. Ideal for businesses that require dependable performance without the complexity, this option ensures consistent data transmission in everyday network setups. Our cables are TIA compliant, ensuring performance for all networking needs.

Features:

- MPO Female Connectors
- 50/125 Patch cable
- LSZH
- Aqua Jacket Color
- OM4 Rated
- Insertion Loss $\leq 0.5\text{dB}$
- Return Loss $\geq 30\text{dB}$



For your product safety, please read the following information carefully before any manipulation of the transceiver:



ESD

This transceiver is specified as ESD threshold 1kV for SFI pins and 2kV for all others electrical input pins, tested per MIL-STD-883G, Method 3015.4 / JESD22-A114-A (HBM). However, normal ESD precautions are still required during the handling of this module.



LASER SAFETY

This is a Class1 Laser Product according to IEC 60825-1:2007. This product complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated (June 24, 2007).

The optical ports of the module need to be terminated with an optical connector or with a dust plug in order to avoid contamination.

Order Information

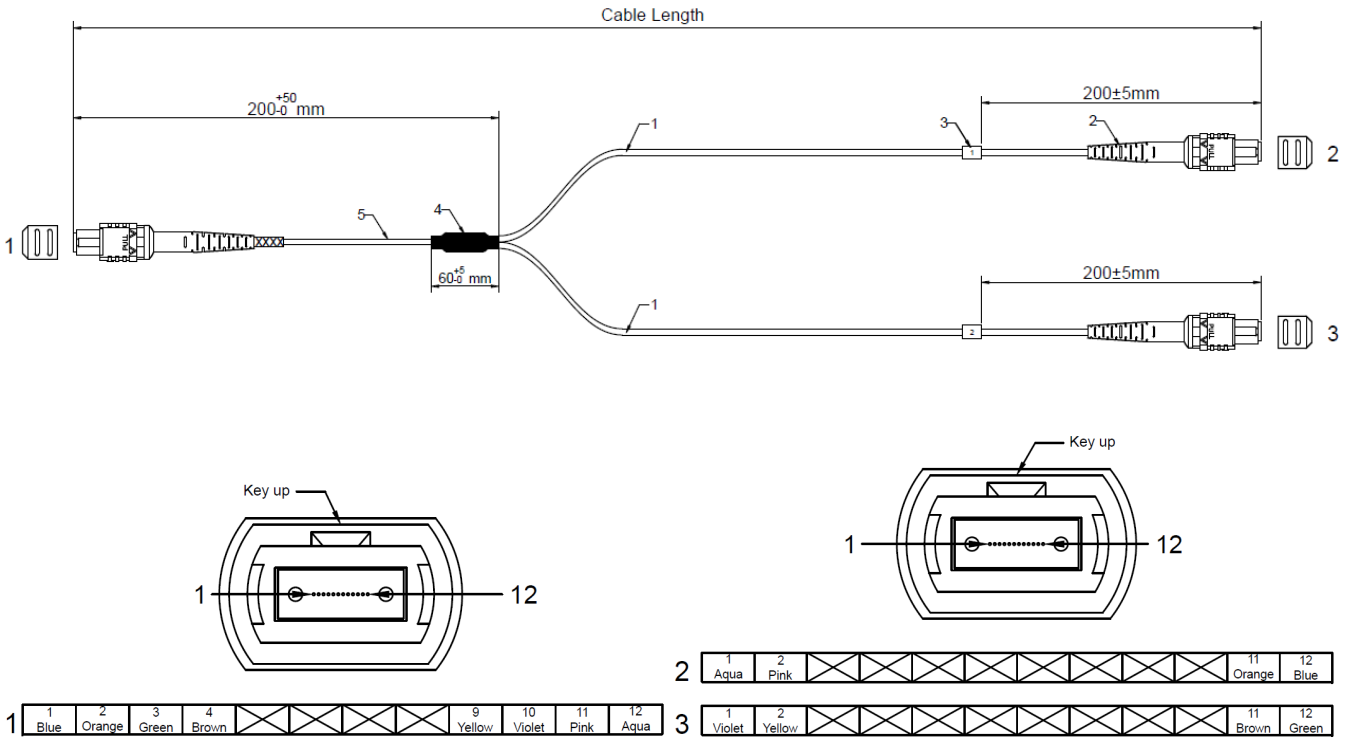
Part Numbers	Descriptions
MFP7E20-N005-SKY	Mellanox® Compatible 5m MPO-8/APC to 2xMPO/APC Aqua OM4 LSZH 8-Strand Fiber Patch Cable
MFP7E20-N007-SKY	Mellanox® Compatible 7m MPO-8/APC to 2xMPO/APC Aqua OM4 LSZH 8-Strand Fiber Patch Cable
MFP7E20-N010-SKY	Mellanox® Compatible 10m MPO-8/APC to 2xMPO/APC Aqua OM4 LSZH 8-Strand Fiber Patch Cable
MFP7E20-N015-SKY	Mellanox® Compatible 15m MPO-8/APC to 2xMPO/APC Aqua OM4 LSZH 8-Strand Fiber Patch Cable

Specifications

Parameter	Specifications
Environment	Indoor
Standard	OM4
Fiber Type	MMF
Connector	AMPO (Female) to 2AxMPO (Female)
Color	Aqua
Shielded	No
Strand Count	8
Cable Mode	Multiple
Jacket Type	LSZH
Termination Type	Crossover
Core/Cladding	50/125µm
Fiber Termination	APC - Angled Physical Contact
Polarity	Method B
Cable Type	OM4
Armored	No
Bend Insensitivity	G.657.A1
Connector 1 Ferrule Polish	APC (Angled Physical Contact)
Connector 2 Ferrule Polish	APC (Angled Physical Contact)
Insertion Loss Grade	Grade C
Fire Rating	General Purpose (OFNG)
Jacket Material	LSZH (Low Smoke Zero Halogen)
Outer Diameter	3.0mm
Connector 1 Boot Style	Standard Boot
Connector 2 Boot Style	Standard Boot
Connector 1 Color	Green
Connector 2 Color	Green

Insertion Loss	≤0.50dB
Return Loss	≥30dB
Cable Tolerance	
Cable Length <1m	5cm
1m≤ Cable Length <15m	10cm
15m≤ Cable Length <30m	15cm
Cable Length ≥30m	Cable Length* 1%

Mechanical Specifications



Item	Quantity	Specifications
1	A/R	2*OD: 3.0mm, Multi-Mode 50/125 OM4, Corning Fibers Micro Cable, LSZH, Color: Aqua
2	3	MPO/APC Female, MM, 12 Fibers, 3.0mm Connector, Green Housing, Black Boot
3	2	Channel Marker
4	1	Fanout Kit
5	A/R	OD: 3.0mm, Simplex, LSZH, Aqua Tube

About Skylane Optics

Skylane is a leading provider of transceivers for optical communication.

We offer an extensive portfolio for the enterprise, access, datacenter and metropolitan fiber optical market as well as for smart home applications and home networks.

We cover the European, South American and North American market with a strong partner network and have offices in Belgium, Brazil, Sweden and USA.

Our offerings are characterized by high quality and performance. In combination with our strong technical support, we enable our customers to build cost optimized network solutions.

We offer an extensive range of high-quality products including transceivers (Optical and copper), Active Optical Cable (AOC), Direct Attach Cable (DAC), Mux/Demux, Coding Box (SKYGATE).

