

# Dolphin MTFC4FF Fiber Patch Cable Data Sheet

## Optical Patch Cable

The FC4FF is a 12 fiber (x4) optical patch cable. The cables ends are female MPO connectors that can be connected to a standard MPO male connectors. This product supports Dolphin's Gen3 and Gen4 SFF-8644 fiber optic pigtail cables and Gen3 and Gen4 FireFly adapters with x4 connectivity. Various fiber cable lengths are supported up to 100m.

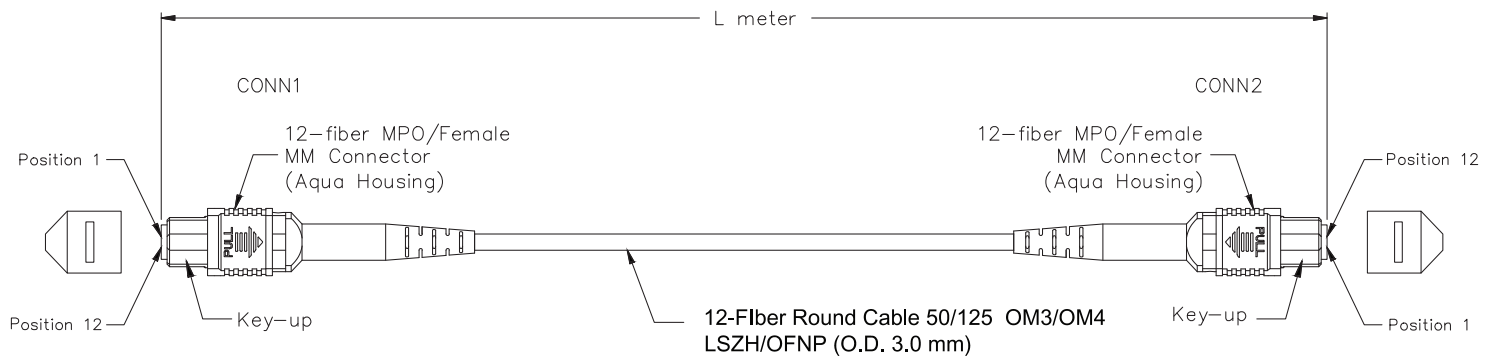
## Features

- Cable lengths 1,10,50,100 meter
- 12 Fiber
- x4 PCIe Gen3 and Gen4 support
- RoHS compliant
- Female MPO connectors

## Part Numbers

MFTC4FF-XXXM

Optical Patch cable - Lengths 1m, 10m, 50m, 100m..





CONN1 Position Number	CABLE Buffer Color	CONN2 Position Number
Position 1	Blue	Position 12
Position 2	Orange	Position 11
Position 3	Green	Position 10
Position 4	Brown	Position 9
Position 5	Gray	Position 8
Position 6	White	Position 7
Position 7	Red	Position 6
Position 8	Black	Position 5
Position 9	Yellow	Position 4
Position 10	Violet	Position 3
Position 11	Rose	Position 2
Position 12	Aqua	Position 1

**NOTES:**

1. Core Diameter : 50.0 $\pm$ 3.0 $\mu$ m
2. Cladding Diameter : 125 $\pm$ 2.0 $\mu$ m
3. Fiber Bandwidth : OM3: 850/1300 $\mu$ m  $\geq$ 1500/500 MHz . km, OM4: 850/1300 $\mu$ m  $\geq$ 3500/500 MHz . km
4. Connector Insertion Loss : Typical=0.5 dB, Max=0.75 dB
5. Cable Attenuation: 2.5dB/km@850 nm, 0.8 dB/km@1300 nm
6. Operating Temperature : -40 $^{\circ}$  C ~ +75 $^{\circ}$  C
7. Storage Temperature : -40 $^{\circ}$  C ~ +85 $^{\circ}$  C
8. Overall Cable Length Tolerance :  $\leq$ 2M:+10/-0mm, 2M~100M :+5%/-0
9. Cable Diameter: 3.0mm
10. Bend Radius : Over 30mm
11. Tensile Load: Under 80N
12. RoHS2.0 Compliant
13. Connector Polish : Flat PC
14. Jacket Color: OM3=Aqua, OM4-Violet

**HANDLING**

Care should be taken to restrict exposure to the conditions defined in the Absolute Maximum Ratings. Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction. The cable must not be subject to extreme bends during installation or while in operation. If you bend the cable at a radius less than the cable minimum bend radius, then the cable may get damaged. Don't twist or pull by force ends of the cable, which might cause malfunction.

