



Technical Specifications

Product Line: 4FPIOMM10-BO

Description

4 fiber 50/125 OM3 laser optimized multimode breakout cable
 NEC type OFNP and CEC type FT6. Sunlight resistant for indoor and outdoor applications. Product manufactured compliant to the requirements of UL1651 for installations and applications in accordance with NEC article 770.

Fiber Type

OM3 50/125 laser optimized multimode fiber

Optical Characteristics

Numerical aperture:	0.200	
Wavelength:	850nm	1310nm
Gigabit ethernet distance:	1000m	600m
10 Gigabit ethernet distance:	300m	300m
Maximum attenuation:	3.0 dB/Km	1.0 dB/Km
Min Laser bandwidth:	2000 MHz/Km	500 MHz/Km
Min LED bandwidth:	1500 Mhz/Km	500 MHz/Km

Buffer

Primary buffer UV cured acrylate
 Diameter: 0.245µM
 Secondary buffer fluoropolymer
 Diameter: 0.900µM

Regulatory

NEC: OFNP 75 °C
 CEC: FT6 60 °C
 Sunlight resistant
 EU RoHS 2002/95/EC Compliant

Color Code

Buffer: Orange
 Breakout Jackets: Orange, Blue, Green, Brown

Packages

Reel: Fiber is cut to order
 Weight: 31 Lbs/1000' | 46 Kg/KM

Subassembly

Each buffered fiber in its own jacket with strength members
 Inner jacket: fluoropolymer
 Thickness: 0.010" | 0.25mm
 Diameter: 0.079" | 2.0mm

Installation

Maximum pull specification: 360 lbs | 1600 N
 Maximum operating load: 90 lbs | 400 N
 Minimum pull radius: 3.8" | 9.70cm
 Minimum operating radius: 3.8" | 9.70cm
 Flex life: Min 2000 cycles
 Impact resistance: 1000 impacts
 Crush resistance: 2100 N/cm
 Install temperature: 0 °C to +60 °C
 Operating temperature: -40 °C to +85 °C

Final Assembly

4 jacketed fibers cabled around a central strength member

Applications

Plenum LAN systems 10/100/1000BaseT and 10G
 Plenum high definition media
 Plenum audio/video over fiber, security and gate systems

Construct

Ripcord under jacket

Performance

10G networking 300 meters

Jacket

Fluoropolymer
 Colors: Aqua
 Wall thickness: 0.025" | 0.63mm
 Diameter: 0.256" | 6.50mm

Final Outside Diameter (inches)

0.256

Specification Revision Date:

October 28, 2008

