



Technical Specifications

Product Line: 4FRIOMM10-BO

Description

4 fiber 50/125 OM3 laser optimized multimode breakout cable
 NEC type OFNR and CEC type FT4. 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 polyvinyl chloride
 Diameter: 0.900µM

Regulatory

NEC: OFNR 75 °C
 CEC: FT4 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: 44 Lbs/1000' | 65 Kg/KM

Subassembly

Each buffered fiber in its own jacket with strength members
 Inner jacket: elastic polymer
 Thickness: 0.018" | 0.45mm
 Diameter: 0.098" | 2.5mm

Installation

Maximum pull specification: 450 lbs | 2000 N
 Maximum operating load: 180 lbs | 800 N
 Minimum pull radius: 4.8" | 12.20cm
 Minimum operating radius: 3.2" | 8.10cm
 Flex life: Min 2000 cycles
 Impact resistance: 1500 impacts
 Crush resistance: 2200 N/cm
 Install temperature: -10 °C to +60 °C
 Operating temperature: -40 °C to +85 °C

Final Assembly

4 jacketed fibers cabled around a central strength member

Applications

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

Construct

Ripcord under jacket

Performance

10G networking 300 meters

Jacket

UV stabilized polyvinyl chloride
 Colors: Aqua
 Wall thickness: 0.050" | 1.27mm
 Diameter: 0.320" | 8.10mm

Final Outside Diameter (inches)

0.320

Specification Revision Date:

October 28, 2008

