



**Technical Specifications**

**Product Line: 4FRIOMM10-D**

**Description**

4 fiber 50/125 OM3 laser optimized multimode distribution cable  
 NEC type OFNR and CEC type FT4. Sunlight resistant and water blocked 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  
 Suitable for wet locations  
 EU RoHS 2002/95/EC Compliant

**Color Code**

Buffer: Blue, Orange, Green, Brown

**Packages**

Reel: Fiber is cut to order  
 Weight: 16 Lbs/1000' | 24 Kg/KM

**Subassembly**

Dry core water blocked

**Installation**

Maximum pull specification: 310 lbs | 1400 N  
 Maximum operating load: 100 lbs | 450 N  
 Minimum pull radius: 3.0" | 7.70cm  
 Minimum operating radius: 2.0" | 5.10cm  
 Flex life: Min 2000 cycles  
 Impact resistance: 1500 impacts  
 Crush resistance: 1800 N/cm  
 Install temperature: -10 °C to +60 °C  
 Operating temperature: -40 °C to +85 °C

**Final Assembly**

4 Buffered fibers cabled with strength members 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: 0.022" | 0.56mm  
 Diameter: 0.200" | 5.10mm

**Final Outside Diameter (inches)**

0.200





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Specification Revision Date:

October 28, 2008

