



Technical Specifications
Product Line: 2FRIOMM6-D

Description

2 fiber 62.5/125 OM1 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

OM1 62.5/125 multimode fiber

Optical Characteristics

Numerical aperture:	0.275	
Wavelength:	850nm	1310nm
Gigabit ethernet distance:	300m	600m
10 Gigabit ethernet distance:	33m	300m (laser)
Maximum attenuation:	3.5 dB/Km	1.5 dB/Km
Min Laser bandwidth:	500 MHz/Km	500 MHz/Km
Min LED bandwidth:	200 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: Orange, Blue

Packages

Reel: Fiber is cut to order
 Weight: 7 Lbs/1000' | 11 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: 2.88" | 7.30cm
 Minimum operating radius: 1.89" | 4.80cm
 Flex life: Min 2000 cycles
 Impact resistance: 1500 impacts
 Crush resistance: 1800 N/cm
 Proof test level: 100 kpsi
 Install temperature: -10 °C to +60 °C
 Operating temperature: -40 °C to +85 °C

Final Assembly

2 buffered fibers cabled with strength members around a central strength member

Applications

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

Construct

Ripcord under jacket

Performance

1G networking 600m





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Jacket

UV stabilized polyvinyl chloride

Colors: Black

Wall thickness: 0.035" | 0.89mm

Diameter: 0.189" | 4.80mm

Final Outside Diameter (inches)

0.189

Specification Revision Date:

October 20, 2008

