

Technical Specifications

Product Line: 6FRIOMM6-D

Description

6 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: Blue, Orange, Green, Brown, Gray, White

Packages

Reel: Fiber is cut to order

Weight: 22 Lbs/1000' | 32 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: 3.30" | 8.60cm

Minimum operating radius: 2.30" | 5.70cm

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

6 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

Jacket

UV stabilized polyvinyl chloride

Colors: Black

Wall thickness: 0.035" | 0.89mm

Diameter: 0.224" | 5.70mm

Final Outside Diameter (inches)

0.224



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Specification Revision Date:

October 28, 2008

