

Technical Specifications

Product Line: 6FRIOMM10-D

Description

6 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-2 2011/65/EU 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 10/100/1000Base and 10G
Riser high definition media
Riser audio/video over fiber, security and gate systems

Construct

Ripcord under jacket

Performance

10G networking 300 meters



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Jacket

UV stabilized polyvinyl chloride

Colors: Aqua, Black

Wall thickness: 0.035" | 0.89mm

Diameter: 0.224" | 5.69mm

Final Outside Diameter (inches)

0.224

Specification Revision Date:

October 28, 2008

