Technical Specifications
Product Line: 12FRIOMM10-D

Description

12 fiber 50/125 OM3 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 aperature:	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, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua

Packages

Reel: Fiber is cut to order
Weight: 25 Lbs/1000' | 38 Kg/KM

Subassembly

Dry core water blocked

Installation

Maximum pull specification: 600 lbs | 2700 N
Maximum operating load: 135 lbs | 600 N
Minimum pull radius: 3.80" | 9.8cm
Minimum operating radius: 2.60" | 6.50cm
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

12 Buffered fibers cabled with strength members around a central strength member

Applications

Riser LAN systems 10/100/1000/10GBaseT
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	Final Outside Diameter (inches)
UV stabilized polyvinyl chloride	0.256
Colors: Aqua	
Wall thickness: 0.050" | 1.27mm	
Diameter: 0.256" | 6.50mm	

Specification Revision Date:	January 6, 2009