Technical Specifications
Product Line: 2FRIOMM10-BO

Description

2 fiber 50/125 OM3 laser optimized multimode breakout cable

NEC type OFNR and CEC type FT4. Sunlight resistant 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	Optical Characteristics		
OM3 50/125 laser optimized multimode fiber	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	Regulatory
Primary buffer UV cured acrylate	NEC: OFNR 75˚C
Diameter: 0.245µM	CEC: FT4 60˚C
Secondary buffer polyvinyl chloride	Sunlight resistant
Diameter: 0.900µM	EU RoHS 2002/95/EC Compliant

Color Code	Packages
Buffer: Orange	Reel: Fiber is cut to order
Breakout Jackets: Orange, Blue	Weight: 44 Lbs/1000'	65 Kg/KM

Subassembly	Installation
Each buffered fiber in its own jacket with strength members	Maximum pull specification: 270 lbs	1200 N
Inner jacket: polyvinyl chloride	Maximum operating load: 110 lbs	500 N
Thickness: 0.010"	0.25mm	Minimum pull radius: 4.80"	12.20cm
Diameter: 0.098"	2.5mm	Minimum operating radius: 3.20"	8.10cm
	Flex life: Min 2000 cycles
	Impact resistance: 1500 impacts
	Crush resistance: 2200 N/cm
	Install temperature: -10˚C to +60˚C
	Operating temperature: -40˚C to +85˚C

Final Assembly	Applications
2 jacketed fibers cabled around a central strength member	Riser LAN systems 10/100/1000BaseT and 10G
	Riser high definition media
	Riser audio/video over fiber, security and gate systems

Construct	Performance
Ripcord under jacket	10G networking 300 meters

Jacket	Final Outside Diameter (inches)
UV stabilized polyvinyl chloride	0.319
Colors: Aqua	
Wall thickness: 0.035"	0.89mm	
Diameter: 0.319"	8.10mm	

Specification Revision Date:	October 20, 2008