

## Technical Specifications

**Product Line: 2FRINSM10-BO**

### Description

SSF (Stronger, Safer, Faster) 2 fiber 50/125 OM3 multimode breakout cable NEC type OFNR. 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  
 Featuring 16 micron proprietary polymer coating

### 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 Soft Peel® Identifier  
 Diameter: 0.250µM

### Regulatory

NEC: OFNR 75 °C  
 CEC: FT4 60 °C  
 EU RoHS-2 2011/65/EU Compliant

### Color Code

Buffer: Blue, Orange  
 Breakout Jackets: Blue, Orange

### Packages

Fiber is cut to order  
 Master Reel: 3000' | 915M  
 Weight: 34 Lbs/1000' | 51 Kg/KM

### Subassembly

Each Soft Peel® fiber in its own jacket with strength members  
 Inner jacket: polyvinyl chloride  
 Thickness: 0.010" | 0.25mm  
 Diameter: 0.079" | 2.0mm

### Installation

Maximum pull specification: 270 lbs | 1200 N  
 Maximum operating load: 112 lbs | 500 N  
 Minimum pull radius: 5.70" | 14.4cm  
 Minimum operating radius: 2.84" | 7.2cm  
 Flex life: Min 20000 cycles  
 Dynamic Fatigue: > 30(nd)  
 Crush resistance: 500 N/cm  
 Install temperature: 0 °C to +60 °C  
 Operating temperature: -20 °C to +75 °C

### Final Assembly

2 jacketed Soft Peel® fibers and 2 fillers cabled around a central strength member

### Applications

Riser LAN systems 10/100/1000Base  
 Riser high definition digital media over fiber

### Construct

Ripcord under jacket

### Performance

1G networking 600m

### Jacket

Flame rated polyvinyl chloride  
 Colors: Aqua  
 Wall thickness: 0.025" | 0.76mm  
 Diameter: 0.284" | 7.20mm

### Final Outside Diameter (inches)

0.284

Specification Revision Date:

February 15, 2014