



**Product:** [FD4L006LCR](#) 

Indoor/Outdoor Loose Tube OM4 6 Fibers LSZH/OFNR Sub-Units(6F) Dry

## Product Description

FX Indoor/Outdoor, Loose Tube, OM4, 6 Fibers, LSZH/OFNR, Sub-Units(6F) Dry, Red Jacket

## Technical Specifications

### Product Overview

Product Category:	Fiber Multi-Loose Tube Cable
Suitable Applications:	Campus Area Network, Long Haul, Backbone

### Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125 $\mu\text{m}$
Fiber Diameter:	250 $\mu\text{m}$
Fiber Count:	6
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	1
Number of Fillers:	4
Fibers Per Subunit:	6
Subunit Waterblocking:	Gel Free
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member Type:	GRP

### Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.411 in (10.4 mm)
Outer Jacket Color:	Red
Outer Jacket Ripcord:	1

### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
10 Gigabit Ethernet Performance	400	--
40 Gigabit Ethernet Performance	150 m	--
100 Gigabit Ethernet Performance	100 m	--
Min. Effective Modal Bandwidth (EMB)	4700 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz.km	500 MHz.km

### Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD

Max. Tensile Strength During Installation:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	75 lbs/kft (112 kg/km)

## Temperature Range

Installation Temperature Range:	-10°C to +60°C
Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1666, UL 1685
NEC / UL Compliance:	OFNR-ST1
CEC / C(UL) Compliance:	FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	568.3, 598-D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

## History

Update and Revision:	Revision Number: 0.6 Revision Date: 05-07-2026
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## Part Numbers

### Variants

Item #	Color	Putup Type
FD4L006LCR	Red	Reel

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