

Indoor Tight Buffered

12 through 72 fibers

FIBER

Product Highlights

- REACH & RoHS 2 compliant
- Made in U.S.A.
- 900 micron buffered design recommended for easy termination
- All multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers
- Each fiber is color coded for easy identification
- Ideal intra-building cable solution
- Flexible and easy to handle
- Compact distribution design
- Lightweight, flexible aramid yarns enhance strength

Options

- Enhanced bend insensitive OS2 optical fiber is available (ITU-T G.657.B3 & G.657.A2)
- Standard jacket colors are:
 Yellow: OS2
 Orange: OM1 & OM2
 Aqua: OM3 & OM4
 Lime Green: OM5
Note: Erika Violet for OM4 is available.
- OM4+ optical fibers with extended 10 gigabit Ethernet distances are available

Applications

- Applications include 10, 40 & 100 gigabit Ethernet, Fibre Channel, Video, Security, Automation
- OM5 supports applications utilizing Short Wave Division Multiplexing (SWDM)

Standards

- ANSI/TIA-568.3-D
- ISO/IEC 11801, 2nd edition
- Telcordia GR-409-CORE

Multi-Unit (Riser)

(UL) OFNR c(UL) OFNR FT4

PART NUMBERS BY FIBER COUNT

FI-BERS	FI-BERS/TUBE	62.5 UM OM1	50 UM OM2	50 UM OM3	50 UM OM4	50 UM OM5	8.3 UM OS2
18	6	60567-18	60595-18	60581-18	61872-18	62743-18	60633-18
24	6	60567-24	60595-24	60581-24	61872-24	62743-24	60633-24
36	6	60567-36	60595-36	60581-36	61872-36	62743-36	60633-36
48	6	60567-48	60595-48	60581-48	61872-48	62743-48	60633-48
72	6	60567-72	60595-72	60581-72	61872-72	62743-72	60633-72
36	12	60006-36	60009-36	60613-36	61874-36	62744-36	60015-36
48	12	60006-48	60009-48	60613-48	61874-48	62744-48	60015-48
60	12	60006-60	60009-60	60613-60	61874-60	62744-60	60015-60

Optical Specifications

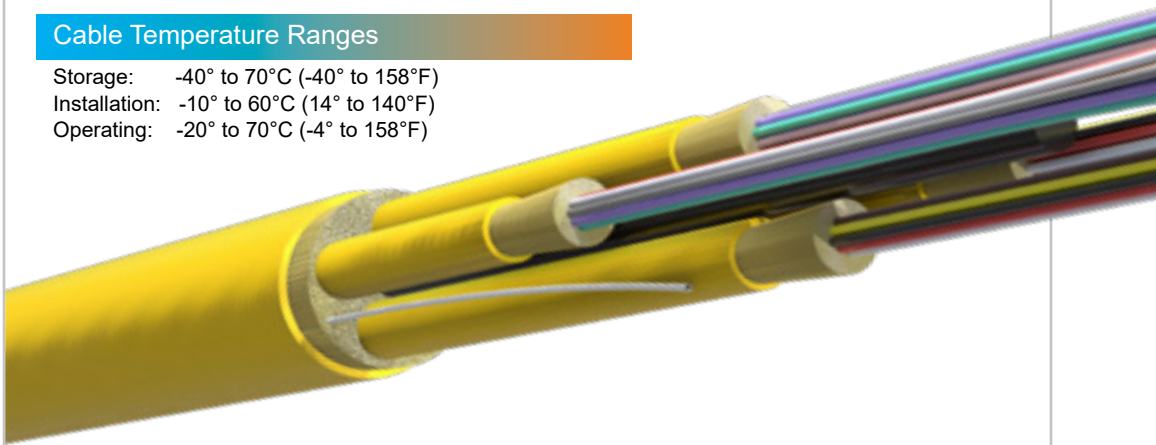
TIA-568.3-D | ISO/IEC 11801, 2nd edition | Telcordia GR-409-CORE

Fiber type	Max. Attenuation (dB/km)		Min OFL Bandwidth (MHz-km)		Min EMBc Bandwidth (MHz-km)		Gb Ethernet distance (m)		10 Gb Ethernet distance(m)	
	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	
OM1	3.5	1.0	200	500	220	N/A	300	550	33	N/A
OM2	3.0	1.0	700	500	950	N/A	750	550	150	N/A
OM3	3.0	1.0	1500	500	2000	N/A	1000	550	300	N/A
OM4	3.0	1.0	3500	500	4700	N/A	1100	550	550	N/A
OM5*	3.0	1.0	3500	500	4700	N/A	1100	550	550	N/A
		1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	
OS2	0.5	0.5	N/A	N/A	N/A	N/A	> 25,000	> 40,000	10,000 - 25,000	40,000

*OM5 optical fiber tested by glass manufacturer and exceeds the requirements of all applicable industry standards.
 Hitachi Cable America reserves the right to revise any specifications.

Cable Temperature Ranges

Storage: -40° to 70°C (-40° to 158°F)
 Installation: -10° to 60°C (14° to 140°F)
 Operating: -20° to 70°C (-4° to 158°F)



Multimode and Singlemode

Multi-Unit

SPECIFICATIONS BY FIBER COUNT

FI- BERS	FI- BERS/ TUBE	TUBE LAYOUT	CABLE O.D.		RECOMMENDED MAXIMUM LOADS				CABLE WEIGHT	
			inch- es	mm	INSTALL		OPERATION		lbs/1000 ft	kg/1000 m
					lbs-f	N	lbs-f	N		
18	6	3xCSM		12.6	384		115	513	75.0	111.8
24	6	4xCSM		13.6	512		154	684	93.0	138.6
36	6	6xCSM		16.5	768		230	1025	143.0	213.1
48	6	8xCSM		20.1	1024		307	1367	222.0	330.8
72	6	9x3x- CSM		22.9	1536		461	2051	241.0	359.1
36	12	3xCSM		14.7	480		144	641	106.0	157.9
48	12	4xCSM		16.1	640		192	854	134.0	199.7

CSM = Central Strength Member

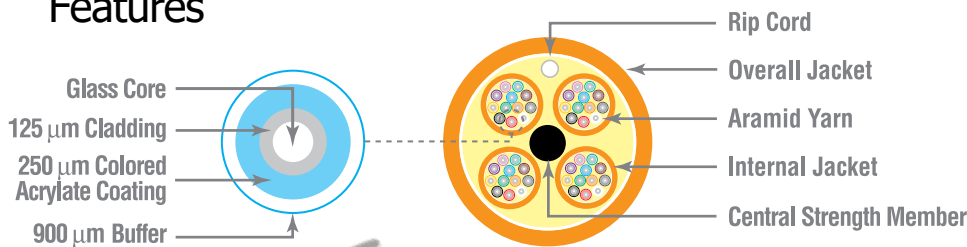
Mechanical Specifications

- Bend radius, no load
= 10x cable overall diameter
- Bend radius, load
= 15x cable overall diameter

plus
CORNING®
ClearCurve® Optical Fiber

FIBER

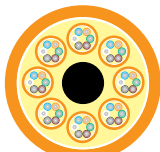
Features



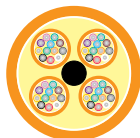
DIELECTRIC MATERIALS

RISER

Overall Jacket: Flame-retardant Thermoplastic

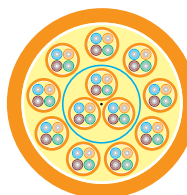


48-fibers
(8 tubes of 6-fibers)



48-fibers
(4 tubes of 12-fibers)

Diagram scale approx. 1:1



48-fibers
(12 tubes of 4-fibers)

Photo is for representation purposes only.