

Indoor Tight Buffered

2 through 24 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
- 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

Single-Unit (Riser)

(UL) OFNR c(UL) OFNR FT4

PART NUMBERS BY FIBER COUNT

FIBERS	62.5 UM OM1	50 UM OM2	50 UM OM3	50 UM OM4	50 UM OM5	8.3 UM OS2
2	60514-2	60063-2	60463-2	61842-2	62724-2	60012-2
4	60515-4	60516-4	60520-4	61865-4	62741-4	60014-4
6	60515-6	60516-6	60520-6	61865-6	62741-6	60014-6
8	60515-8	60516-8	60520-8	61865-8	62741-8	60014-8
10	60515-10	60516-10	60520-10	61865-10	62741-10	60014-10
12	60515-12	60516-12	60520-12	61865-12	62741-12	60014-12
24	60515-24	60516-24	60520-24	61865-24	62741-24	60014-24

Optical Specifications

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

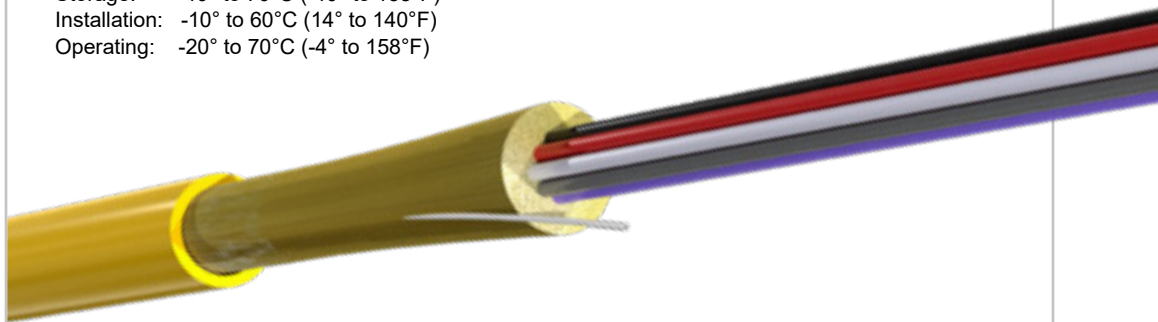
Fiber type	Max. Attenuation (dB/km)		Min OFL Bandwidth (MHz-km)		Min EMBc Bandwidth (MHz-km)		Gb Ethernet distance (m)		10 Gb Ethernet distance(m)	
	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	
OM1	3.5	1.0	200	500	220	N/A	300	550	33	N/A
OM2	3.0	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)



Single-Unit

SPECIFICATIONS BY FIBER COUNT

FI- BERS	CABLE O.D.		RECOMMENDED MAXIMUM LOADS				CABLE WEIGHT	
			INSTALL					
	inches	mm	lbs-f	N	lbs-f	N	lbs/1000 ft	kg/1000 m
2	0.190	4.8	128	569	38	171	11.5	17.1
4	0.190	4.8	128	569	38	171	13.0	19.4
6	0.190	4.8	128	569	38	171	14.5	21.6
8	0.230	5.8	160	712	48	214	18.5	27.6
10	0.230	5.8	160	712	48	214	20.0	29.8

Mechanical Specifications

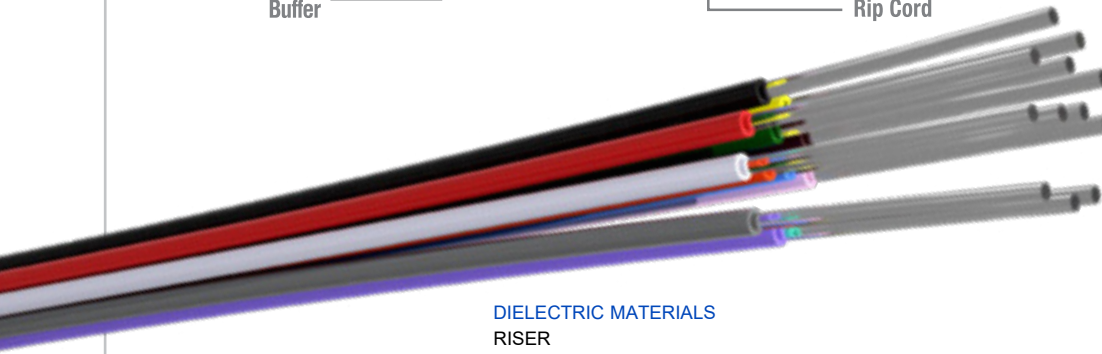
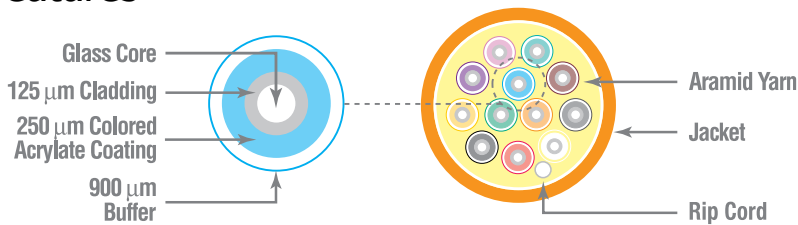
- Bend radius, no load = 10x cable overall diameter
- Bend radius, load = 15x cable overall diameter



FIBER



Features



DIELECTRIC MATERIALS
 RISER
 Overall Jacket: Flame-retardant Thermoplastic

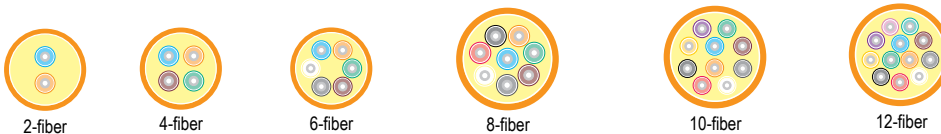


Diagram scale approx. 2:1

Photo is for representation purposes only.