

Indoor Tight Buffered

1-fiber, 2-fiber and zip

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
- Ideal for patch cords, interconnections, and short runs
- Easy to strip and terminate
- Lightweight, flexible aramid yarns enhance strength
- Extremely flexible for easy handling

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

Interconnect (Plenum)

(UL) OFNP c(UL) OFNP FT6

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
1	60042-1	60022-1	60472-1	61851-1	62734-1	60044-1
1	60430-1	60468-1	60473-1	61852-1	62735-1	60490-1
1	60431-1	60469-1	60474-1	61853-1	62736-1	60491-1
1	60432-1	60470-1	60475-1	61854-1	62737-1	60492-1
2	60042-2	60022-2	60472-2	61851-2	62734-2	60044-2
2	60024-2	60026-2	60471-2	61855-2	62738-2	60031-2
zip	62956-2	60316-2	62950-2	62951-2	62953-2	62954-2
zip	61379-2	61444-2	61457-2	61986-2	62739-2	61378-2
zip	60023-2	60008-2	60502-2	61857-2	62740-2	60030-2

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.

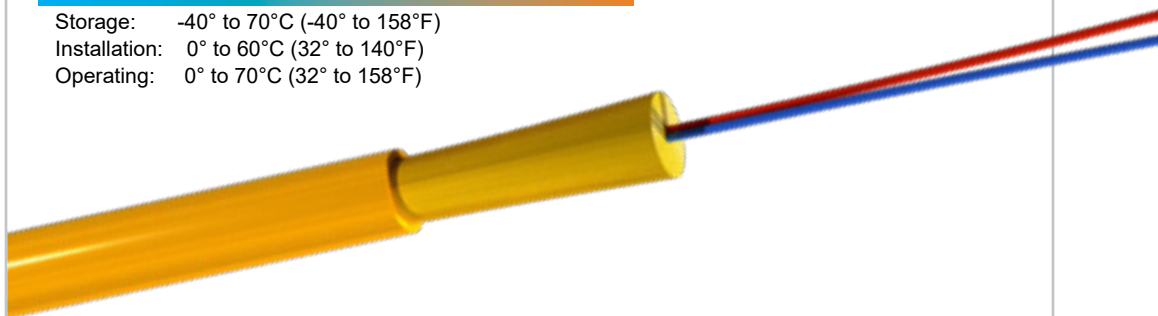
Hitachi Cable America reserves the right to revise any specifications.

Cable Temperature Ranges

Storage: -40° to 70°C (-40° to 158°F)

Installation: 0° to 60°C (32° to 140°F)

Operating: 0° to 70°C (32° to 158°F)



SPECIFICATIONS BY FIBER COUNT

FI- BERS	CABLE O.D.		RECOMMENDED MAXIMUM LOADS				CABLE WEIGHT	
	inches	mm	INSTALL		OPERATION			
			lbs-f	N	lbs-f	N	lbs/1000 ft	kg/1000 m
1	0.114	2.9	96	427	29	128	5.6	8.3
1	0.094	2.4	64	285	19	85	4.7	6.9
1	0.079	2.0	50	223	15	67	3.6	5.3
1	0.063	1.6	50	223	15	67	2.0	2.9
2	0.114	2.9	96	427	29	128	6.4	9.5
2	0.190	4.8	128	569	38	171	13.1	19.4

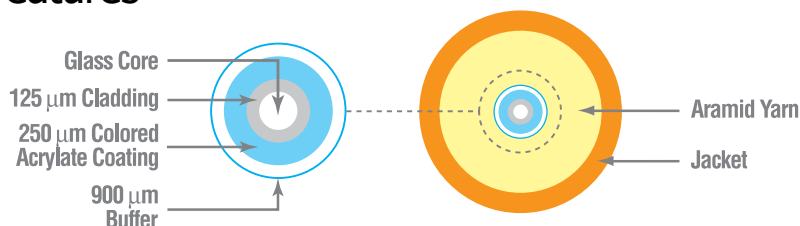
Mechanical Specifications

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

plus
CORNING®
ClearCurve® Optical Fiber

FIBER

Features



DIELECTRIC MATERIALS

PLENUM

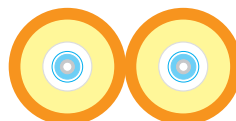
Overall Jacket: Flame-retardant Thermoplastic



1-fiber Interconnect



2-fiber Interconnect



2-fiber Zip Cord

Diagram scale approx. 5:1

Photo is for
representation
purposes only.