INDOOR/OUTDOOR

Tight Buffered

2 Through 24 fibers

FIBER

Product Highlights

- REACH & RoHS 2 compliant
- Made in U.S.A.
- All multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers
- Eliminates need for innerduct or conduit
- Aluminum interlock armor standard
- Each fiber is color coded for easy identification
- Ideal cable solution for campus environments
- Flexible and easy to handle
- UV and fungus resistant jacket
- Dry, super absorbent polymers (SAPs) eliminate water migration in cable interstices
- Suitable for lashed aerial, duct, underground conduit and indoor plenum applications
- 900um buffered design recommended for easy termination

Options

- Standard color configuration is a black outer jacket with a black inner jacket. Colored inner and outer jackets (orange, yellow & aqua) can be special ordered
- Enhanced bend insensitive OS2 optical fiber is available (ITU-T G.657.B3 & G.657.A2)
- OM4+ optical fibers with extended 10 gigabit Ethernet distances are available
- Steel interlock armor 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

Indoor/Outdoor Armored Tight Buffered (Plenum)

(UL) OFCP c(UL) OFCP 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
2	61580-2	61577-2	61578-2	62068-2	62772-2	61579-2
4	61580-4	61577-4	61578-4	62068-4	62772-4	61579-4
6	61580-6	61577-6	61578-6	62068-6	62772-6	61579-6
8	61580-8	61577-8	61578-8	62068-8	62772-8	61579-8
12	61580-12	61577-12	61578-12	62068-12	62772-12	61579-12
24	61580-24	61577-24	61578-24	62068-24	62772-24	61579-24

Optical Specifications

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

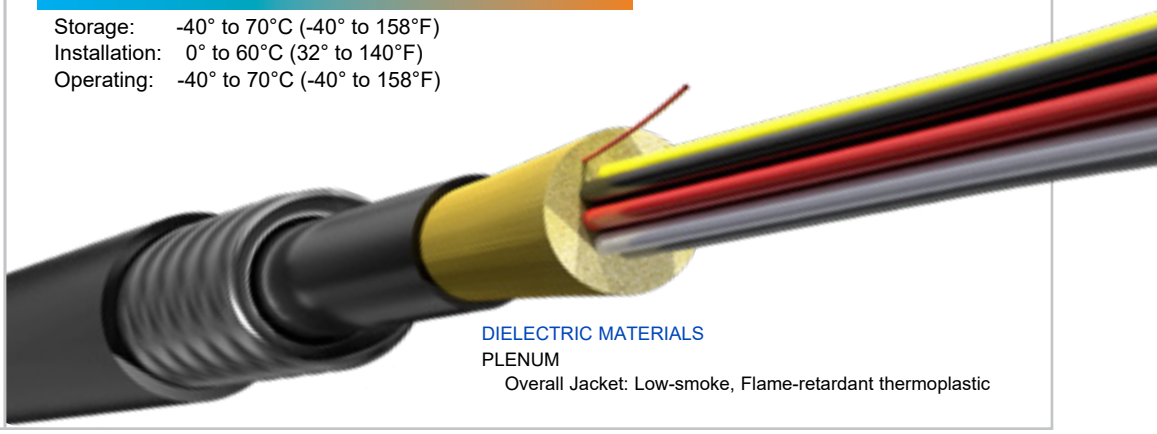
Fiber type	Max. Attenuation (dB/km)		Min OFL Bandwidth (MHz-km)		Min EMBc Bandwidth (MHz-km)		Gb Ethernet distance (m)		10 Gb Ethernet distance(m)	
	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	
OM1	3.5	1.0	200	500	220	N/A	300	550	33	N/A
OM2	3.0	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: 0° to 60°C (32° to 140°F)
Operating: -40° to 70°C (-40° to 158°F)



DIELECTRIC MATERIALS

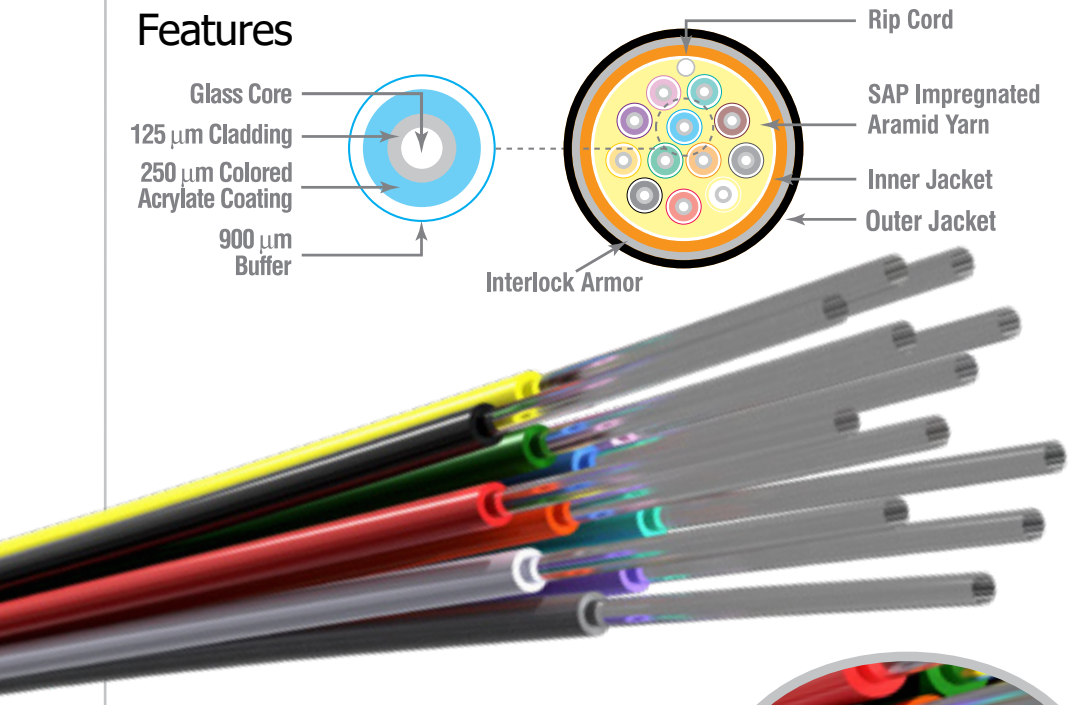
PLENUM

Overall Jacket: Low-smoke, Flame-retardant thermoplastic

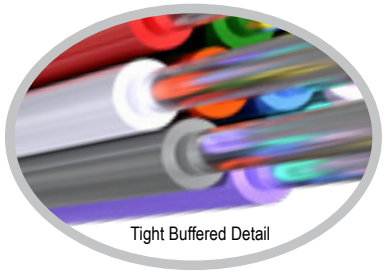
SPECIFICATIONS BY FIBER COUNT

FIBERS	CABLE O.D.		RECOMMENDED MAXIMUM LOADS INSTALL		OPERATION		CABLE WEIGHT	
	inches	mm	lbs-f	N	lbs-f	N	lbs/1000 ft	kg/1000bm
2	0.48		300	1335	100	445	100.4	149.4
4	0.48		300	1335	100	445	101.7	151.4
6	0.48		300	1335	100	445	103.0	153.3
8	0.52		300	1335	100	445	109.1	162.4

Features



12-fiber
Diagram scale approx. 2:1



Tight Buffered Detail

Mechanical Specifications

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

plus CORNING ClearCurve® Optical Fiber

Photo is for representation purposes only.

FIBER