

# Tight Buffered 2 through 24 fibers

## Product Highlights

- RoHS compliant
- UV resistant jacket
- Tight buffered construction
- Easy to strip and terminate
- Each fiber is color coded for easy identification
- Dry, super absorbent polymers (SAPs) eliminate water migration in cable interstices
- Suitable for lashed aerial, duct, underground conduit and indoor plenum applications

## Options

- Cables with improved attenuation available
- 2 through 24 fibers
- Low smoke zero halogen available
- Cables with extended 10 Gigabit Ethernet support distances available



6-fiber



12-fiber

Diagram scale approx. 3:1

## Multimode I/O Tight Buffered (Plenum)

(UL) OFNP c(UL)us FT6

HITACHI PART NO.	FIBER COUNT	CABLE O.D.		MAXIMUM LOAD		OPERATION		CABLE WEIGHT		
		in.	mm	lbs·f	N	lbs·f	N	lbs/1000ft	kg/1000m	
<b>50/125 μm Multimode (50/125/250/900)</b>										
61464-2	2	.190	4.8	128	570	64	285	15.3	22.8	
61464-4	4	.190	4.8	128	570	64	285	16.6	24.7	
61464-6	6	.190	4.8	128	570	64	285	17.8	26.5	
61464-8	8	.230	5.8	160	712	80	356	23.5	35.0	
61464-10	10	.230	5.8	160	712	80	356	24.8	37.0	
61464-12	12	.230	5.8	160	712	80	356	26.0	38.7	
61464-24	24	.350	8.8	288	1282	144	641	52.4	78.1	
<b>50/125 μm StratusClear™ Multimode (50/125/250/900)</b>										
61468-2	2	.190	4.826	128	570	64	285	15.3	22.8	
61468-4	4	.190	4.826	128	570	64	285	16.6	24.7	
61468-6	6	.190	4.826	128	570	64	285	17.8	26.5	
61468-8	8	.230	5.842	160	712	80	356	23.5	35.0	
61468-10	10	.230	5.842	160	712	80	356	24.8	36.9	
61468-12	12	.230	5.842	160	712	80	356	26.0	38.7	
61468-24	24	.350	8.89	288	1282	144	641	52.4	78.1	
<b>62.5/125 μm Multimode (62.5/125/250/900)</b>										
61460-2	2	.190	4.8	128	570	64	285	15.3	22.8	
61460-4	4	.190	4.8	128	570	64	285	16.6	24.7	
61460-6	6	.190	4.8	128	570	64	285	17.8	26.5	
61460-8	8	.230	5.8	160	712	80	356	23.5	35.0	
61460-10	10	.230	5.8	160	712	80	356	24.8	36.9	
61460-12	12	.230	5.8	160	712	80	356	26.0	38.7	
61460-24	24	.350	8.8	288	1282	144	641	52.4	78.1	
<b>62.5/125 μm StratusClear™ Multimode (62.5/125/250/900)</b>										
61467-2	2	.190	4.8	128	570	64	285	15.3	22.8	
61467-4	4	.190	4.8	128	570	64	285	16.6	24.7	
61467-6	6	.190	4.8	128	570	64	285	17.8	26.5	
61467-8	8	.230	5.8	160	712	80	356	23.5	35.0	
61467-10	10	.230	5.8	160	712	80	356	24.8	36.9	
61467-12	12	.230	5.8	160	712	80	356	26.0	38.7	
61467-24	24	.350	8.8	288	1282	144	641	52.4	78.1	

## Optical Specifications

TIA/EIA-568-B.3/B.3 | ISO/IEC 11801, 2nd edition | Bellcore GR-409-CORE

	50/125 μm MULTIMODE	50/125 μm STRATUSCLEAR MULTIMODE
MAXIMUM ATTENUATION	≤ 3.5 dB/km at 850 nm ≤ 1.0 dB/km at 1300 nm	≤ 3.25 dB/km at 850 nm ≤ 1.0 dB/km at 1300 nm
MINIMUM BANDWIDTH (OFL)	500 MHz·km at 850 nm 500 MHz·km at 1300 nm	1500 MHz·km at 850 nm 500 MHz·km at 1300 nm
MINIMUM BANDWIDTH (RML)	510 MHz·km at 850 nm n/s	1400 MHz·km at 850 nm n/s
GIGABIT ETHERNET SUPPORT DISTANCE	600 m at 850 nm 600 m at 1300 nm	1000 m at 850 nm 1000 m at 1300 nm
10 GIGABIT ETHERNET SUPPORT DISTANCE	n/s n/s	300 m at 850 nm n/s
	<b>62.5/125 μm MULTIMODE</b>	<b>STRATUSCLEAR 62.5/125 μm MULTIMODE</b>
MAXIMUM ATTENUATION	≤ 3.5 dB/km at 850 nm ≤ 1.0 dB/km at 1300 nm	≤ 3.25 dB/km at 850 nm ≤ 1.0 dB/km at 1300 nm
MINIMUM BANDWIDTH (OFL)	200 MHz·km at 850 nm 500 MHz·km at 1300 nm	200 MHz·km at 850 nm 500 MHz·km at 1300 nm
MINIMUM BANDWIDTH (RML)	220 MHz·km at 850 nm n/s	385 MHz·km at 850 nm n/s
GIGABIT ETHERNET SUPPORT DISTANCE	300 m at 850 nm 550 m at 1300 nm	500 m at 850 nm 1,000 m at 1300 nm

HCM reserves the right to revise any specifications.

# Multimode and Singlemode Tight Buffered

## 8.3/125 $\mu\text{m}$ Singlemode I/O Tight Buffered (Plenum)

(UL) OFNP c(UL)us FT6

HITACHI PART NO.	FIBER COUNT	CABLE O.D.		MAXIMUM LOAD INSTALL		OPERATION		CABLE WEIGHT	
		in.	mm	lbs-f	N	lbs-f	N	lbs/1000ft	kg/1000m

### 8.3/125 $\mu\text{m}$ Singlemode (8.3/125/250/900)

61459-2	2	.190	4.8	128	570	64	285	15.3	22.8
61459-4	4	.190	4.8	128	570	64	285	16.6	24.7
61459-6	6	.190	4.8	128	570	64	285	17.8	26.5
61459-8	8	.230	5.8	160	712	80	356	23.5	35.0
61459-10	10	.230	5.8	160	712	80	356	24.8	36.9
61459-12	12	.230	5.8	160	712	80	356	26.0	38.7
61459-24	24	.350	8.8	288	1282	144	641	52.4	78.1

### 8.3/125 $\mu\text{m}$ StratusClear™ Singlemode (8.3/125/250/900)

61466-2	2	.190	4.8	128	570	64	285	15.3	22.8
61466-4	4	.190	4.8	128	570	64	285	16.6	24.7
61466-6	6	.190	4.8	128	570	64	285	17.8	26.5
61466-8	8	.230	5.8	160	712	80	356	23.5	35.0
61466-10	10	.230	5.8	160	712	80	356	24.8	36.9
61466-12	12	.230	5.8	160	712	80	356	26.0	38.7
61466-24	24	.350	8.8	288	1282	144	641	52.4	78.1

## Mechanical Specifications

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

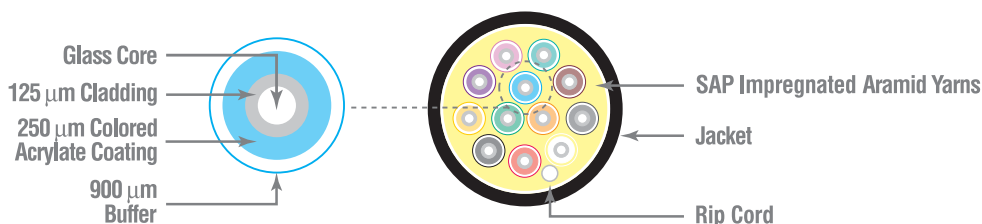


## Optical Specifications

TIA/EIA-568-B.3 | ISO/IEC 11801, 2nd edition | Bellcore GR-409-CORE

	8.3/125 $\mu\text{m}$ SINGLEMODE	8.3/125 $\mu\text{m}$ STRATUSCLEAR SINGLEMODE
MAXIMUM ATTENUATION	$\leq 0.50$ dB/km at 1310 nm $\leq 0.50$ dB/km at 1550 nm	$\leq 0.50$ dB/km at 1310 nm $\leq 0.50$ dB/km at 1550 nm
RECOMMENDED APPLICATION	Optimized for performance in the 1310 nm wavelength window. These cables support today's high capacity, low-cost transmission applications and can also be used to support TDM and WDM applications operating in the 1550 nm wavelength region.	These cables exhibit superior low water peak performance and are optimized for use across a broad wavelength range, including the Extended Band (1360 nm – 1460 nm). StratusClear Singlemode cables support emerging applications utilizing CWDM and SOA technologies.

## Features



**DIELECTRIC MATERIALS**

Overall Jacket

**RISER**

Flame-retardant thermoplastic

**PLENUM**

Low-smoke, flame-retardant thermoplastic



Indoor/Outdoor  
Tight Buffered