

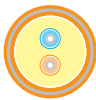
# Armored 2 through 12 fibers

## Product Highlights

- RoHS compliant
- 900  $\mu\text{m}$  buffered design recommended for termination to ST and SC connectors
- Eliminates need for inner duct or conduit
- Aluminum interlock armor
- 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

- Cables with improved attenuation available
- Steel interlock available
- Low smoke zero halogen available
- Cables with extended 10 Gigabit Ethernet support distances available



2-fiber



4-fiber



6-fiber



8-fiber



10-fiber



12-fiber

Diagram scale approx. 2:1

## Multimode Armored Tight Buffered (Plenum)

(UL) OFCP c(UL)us FT4

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	
<b>50/125 <math>\mu\text{m}</math> Multimode (50/125/250/900)</b>										
61319-2	2	0.48	12.192	128	570	64	285	99.2	19.8	
61319-4	4	0.48	12.192	128	570	64	285	100.4	21.6	
61319-6	6	0.48	12.192	128	570	64	285	101.6	23.4	
61319-8	8	0.52	13.208	160	712	80	356	116.7	31.1	
61319-10	10	0.52	13.208	160	712	80	356	117.5	32.3	
61319-12	12	0.52	13.208	160	712	80	356	118.8	34.2	
<b>50/125 <math>\mu\text{m}</math> StratusClear™ Multimode (50/125/250/900)</b>										
61337-2	2	0.48	12.192	128	570	64	285	99.2	19.8	
61337-4	4	0.48	12.192	128	570	64	285	100.4	21.6	
61337-6	6	0.48	12.192	128	570	64	285	101.6	23.4	
61337-8	8	0.52	13.208	160	712	80	356	116.7	31.1	
61337-10	10	0.52	13.208	160	712	80	356	117.5	32.3	
61337-12	12	0.52	13.208	160	712	80	356	118.8	34.2	
<b>62.5/125 <math>\mu\text{m}</math> Multimode (62.5/125/250/600)</b>										
60405-2	2	0.48	12.192	128	570	64	285	99.2	19.8	
60405-4	4	0.48	12.192	128	570	64	285	100.4	21.6	
60405-6	6	0.48	12.192	128	570	64	285	101.6	23.4	
60405-8	8	0.52	13.208	160	712	80	356	116.7	31.1	
60405-10	10	0.52	13.208	160	712	80	356	117.5	32.3	
60405-12	12	0.52	13.208	160	712	80	356	118.8	34.2	
<b>62.5/125 <math>\mu\text{m}</math> StratusClear™ Multimode (62.5/125/250/600)</b>										
61545-2	2	0.48	12.192	128	570	64	285	99.2	19.8	
61545-4	4	0.48	12.192	128	570	64	285	100.4	21.6	
61545-6	6	0.48	12.192	128	570	64	285	101.6	23.4	
61545-8	8	0.52	13.208	160	712	80	356	116.7	31.1	
61545-10	10	0.52	13.208	160	712	80	356	117.5	32.3	
61545-12	12	0.52	13.208	160	712	80	356	118.8	34.2	

## Optical Specifications

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

	50/125 $\mu\text{m}$ MULTIMODE	STRATUSCLEAR 50/125 $\mu\text{m}$ MULTIMODE
MAXIMUM ATTENUATION	$\leq 3.5$ dB/km at 850 nm $\leq 1.0$ dB/km at 1300 nm	$\leq 3.25$ dB/km at 850 nm $\leq 1.0$ dB/km at 1300 nm
MINIMUM BANDWIDTH (OFL)	200 MHz $\cdot$ km at 850 nm 500 MHz $\cdot$ km at 1300 nm	200 MHz $\cdot$ km at 850 nm 500 MHz $\cdot$ km at 1300 nm
MINIMUM BANDWIDTH (RML)	220 MHz $\cdot$ km at 850 nm n/a	385 MHz $\cdot$ km at 850 nm n/a
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
10 GIGABIT ETHERNET SUPPORT DISTANCE	n/a n/a	300 m at 850 nm n/a
	<b>62.5/125 <math>\mu\text{m}</math> MULTIMODE</b>	<b>STRATUSCLEAR 62.5/125 <math>\mu\text{m}</math> MULTIMODE</b>
MAXIMUM ATTENUATION	$\leq 3.5$ dB/km at 850 nm $\leq 1.0$ dB/km at 1300 nm	$\leq 3.25$ dB/km at 850 nm $\leq 1.0$ dB/km at 1300 nm
MINIMUM BANDWIDTH (OFL)	200 MHz $\cdot$ km at 850 nm 500 MHz $\cdot$ km at 1300 nm	200 MHz $\cdot$ km at 850 nm 500 MHz $\cdot$ km at 1300 nm
MINIMUM BANDWIDTH (RML)	220 MHz $\cdot$ km at 850 nm n/a	385 MHz $\cdot$ km at 850 nm n/a
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 **Armored**

## Singlemode Armored Tight Buffered (Plenum)

(UL) OFCP 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	
<b>8.3 μm Singlemode (8.3/125/250/900)</b>										
61433-2	2	0.48	12.192	128	570	64	285	99.2	19.8	
61433-4	4	0.48	12.192	128	570	64	285	100.4	21.6	
61433-6	6	0.48	12.192	128	570	64	285	101.6	23.4	
61433-8	8	0.52	13.208	160	712	80	356	116.7	31.1	
61433-10	10	0.52	13.208	160	712	80	356	117.5	32.3	
61433-12	12	0.52	13.208	160	712	80	356	118.8	34.2	
<b>8.3 μm StratusClear™ Singlemode (8.3/125/250/900)</b>										
61544-2	2	0.48	12.192	128	570	64	285	99.2	19.8	
61544-4	4	0.48	12.192	128	570	64	285	100.4	21.6	
61544-6	6	0.48	12.192	128	570	64	285	101.6	23.4	
61544-8	8	0.52	13.208	160	712	80	356	116.7	31.1	
61544-10	10	0.52	13.208	160	712	80	356	117.5	32.3	
61544-12	12	0.52	13.208	160	712	80	356	118.8	34.2	

## Mechanical Specifications

- Bend radius, no load = 15x cable overall diameter
- Bend radius, load = 20x cable overall diameter

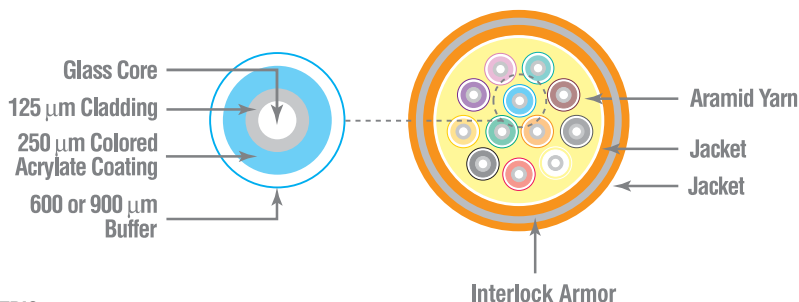


## Optical Specifications

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

	8.3/125 μm SINGLEMODE	8.3/125 μm STRATUSCLEAR SINGLEMODE
MAXIMUM ATTENUATION	≤ 0.50 dB/km at 1310 nm ≤ 0.50 dB/km at 1550 nm	≤ 0.50 dB/km at 1310 nm ≤ 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	RISER	PLENUM
Overall Jacket	Flame-retardant thermoplastic	Low-smoke, flame-retardant thermoplastic



Indoor Armored