

# Armored 2 through 24 fibers

## Product Highlights

- RoHS compliant
- 900 µm 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
- Standard colors are yellow for singlemode and orange for multimode and teal for 10 Gigabit other colors are available

## Multimode 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>50/125 µm Multimode (50/125/250/900)</b>									
61319-2	2	0.48	12.192	128	570	64	285	99.2	147.8
61319-4	4	0.48	12.192	128	570	64	285	100.4	149.6
61319-6	6	0.48	12.192	128	570	64	285	101.6	151.4
61319-8	8	0.52	13.208	160	712	80	356	116.7	173.9
61319-10	10	0.52	13.208	160	712	80	356	117.5	175.1
61319-12	12	0.52	13.208	160	712	80	356	118.8	177.0
61319-24	24	0.64	16.332	288	1282	144	641	164.1	244.5

### 50/125 µm StratusClear™ Multimode (50/125/250/900)

61337-2	2	0.48	12.192	128	570	64	285	99.2	147.8
61337-4	4	0.48	12.192	128	570	64	285	100.4	149.6
61337-6	6	0.48	12.192	128	570	64	285	101.6	151.4
61337-8	8	0.52	13.208	160	712	80	356	116.7	173.9
61337-10	10	0.52	13.208	160	712	80	356	117.5	175.1
61337-12	12	0.52	13.208	160	712	80	356	118.8	177.0
61337-24	24	0.643	16.332	288	1282	144	641	164.1	244.5

### 62.5/125 µm Multimode (62.5/125/250/900)

60405-2	2	0.48	12.192	128	570	64	285	99.2	147.8
60405-4	4	0.48	12.192	128	570	64	285	100.4	149.6
60405-6	6	0.48	12.192	128	570	64	285	101.6	151.4
60405-8	8	0.52	13.208	160	712	80	356	116.7	173.9
60405-10	10	0.52	13.208	160	712	80	356	117.5	175.1
60405-12	12	0.52	13.208	160	712	80	356	118.8	177.0
60405-24	24	0.643	16.332	288	1282	144	641	164.1	244.5

### 62.5/125 µm StratusClear™ Multimode (62.5/125/250/900)

61545-2	2	0.48	12.192	128	570	64	285	99.2	147.8
61545-4	4	0.48	12.192	128	570	64	285	100.4	149.6
61545-6	6	0.48	12.192	128	570	64	285	101.6	151.4
61545-8	8	0.52	13.208	160	712	80	356	116.7	173.9
61545-10	10	0.52	13.208	160	712	80	356	117.5	175.1
61545-12	12	0.52	13.208	160	712	80	356	118.8	177.0
61545-24	24	0.643	16.332	288	1282	144	641	164.1	244.5

## Optical Specifications

TIA/EIA-568-B.3

ISO/IEC 11801, 2nd edition

Bellcore GR-409-CORE

	50/125 µm MULTIMODE	STRATUSCLEAR 50/125 µm 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/a	2000 MHz·km at 850 nm n/a
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/a n/a	300 m at 850 nm n/a
	62.5/125 µm MULTIMODE	STRATUSCLEAR 62.5/125 µm 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)	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/a	385 MHz·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.

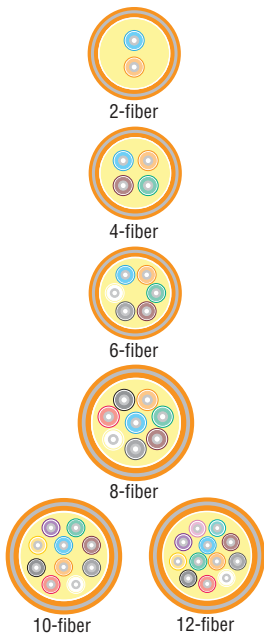


Diagram scale approx. 2:1

# 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				CABLE WEIGHT	
		in.	mm	INSTALL lbs·f	N	OPERATION lbs·f	N	lbs/1000 ft	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	147.8
61433-4	4	0.48	12.192	128	570	64	285	100.4	149.6
61433-6	6	0.48	12.192	128	570	64	285	101.6	151.4
61433-8	8	0.52	13.208	160	712	80	356	116.7	173.9
61433-10	10	0.52	13.208	160	712	80	356	117.5	175.1
61433-12	12	0.52	13.208	160	712	80	356	118.8	177.0
61433-24	24	0.643	16.332	288	1282	144	641	164.1	244.5

### 8.3 μm StratusClear™ Singlemode (8.3/125/250/900)

61544-2	2	0.48	12.192	128	570	64	285	99.2	147.8
61544-4	4	0.48	12.192	128	570	64	285	100.4	149.6
61544-6	6	0.48	12.192	128	570	64	285	101.6	151.4
61544-8	8	0.52	13.208	160	712	80	356	116.7	173.9
61544-10	10	0.52	13.208	160	712	80	356	117.5	175.1
61544-12	12	0.52	13.208	160	712	80	356	118.8	177.0
61544-24	24	0.643	16.332	288	1282	144	641	164.1	244.5

## Mechanical Specifications

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

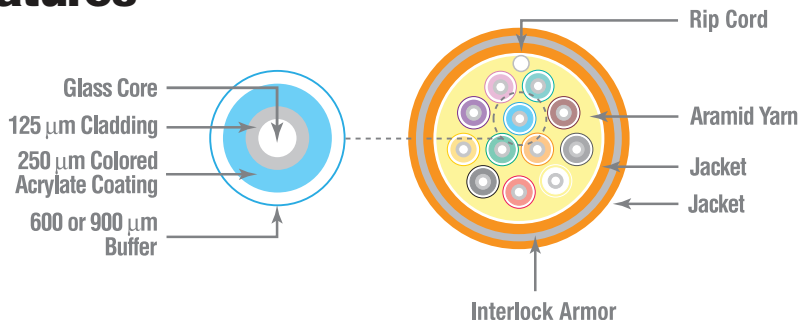


## Optical Specifications

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

Overall Jacket

### RISER

Flame-retardant thermoplastic

### PLENUM

Low-smoke, flame-retardant thermoplastic



Indoor Armored