

# Central Tube 2 through 12 fibers

## Product Highlights

- RoHS compliant
- UV resistant jacket
- Gel filled central tube provides protection against water penetration
- Dry, super absorbent polymers (SAPs) eliminate water migration in cable interstices
- Suitable for lashed aerial, duct, underground conduit and indoor riser applications

## Options

- Cables with improved attenuation available
- Low smoke zero halogen available



2-fibers



4-fibers



6-fibers



8-fibers



10-fibers



12-fibers

Diagram scale approx. 3:1

## 8.3/125 $\mu\text{m}$ Singlemode I/O Central Tube (Riser)

(UL) OFNR c(UL)us FT4

HITACHI PART NO.	FIBER COUNT	CABLE O.D.		MAXIMUM LOAD			OPERATION		CABLE WEIGHT	
		in.	mm	INSTALL lbs-f	N	lbs-f	N	lbs/1000ft	kg/1000m	
<b>8.3/125 <math>\mu\text{m}</math> Singlemode (8.3/125/250)</b>										
60105-2	2	.287	7.2	300	1335	150	667	39.4	58.7	
60105-4	4	.287	7.2	300	1335	150	667	39.4	58.7	
60105-6	6	.287	7.2	300	1335	150	667	39.4	58.7	
60105-8	8	.287	7.2	300	1335	150	667	39.5	58.8	
60105-10	10	.287	7.2	300	1335	150	667	39.5	58.8	
60105-12	12	.287	7.2	300	1335	150	667	39.5	58.9	

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

60669-2	2	.287	7.2	300	1335	150	667	39.4	58.7
60669-4	4	.287	7.2	300	1335	150	667	39.4	58.7
60669-6	6	.287	7.2	300	1335	150	667	39.4	58.7
60669-8	8	.287	7.2	300	1335	150	667	39.5	58.8
60669-10	10	.287	7.2	300	1335	150	667	39.5	58.8
60669-12	12	.287	7.2	300	1335	150	667	39.5	58.9

## 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	$\leq 0.40$ dB/km at 1310 nm $\leq 0.30$ dB/km at 1550 nm	$\leq 0.35$ dB/km at 1310 nm $\leq 0.25$ 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.

HCM reserves the right to revise any specifications.

# Singlemode Central Tube

## Singlemode I/O Central Tube Cable (Riser)

(UL) OFNR c(UL)us FT4

HITACHI PART NO.	FIBER COUNT	CABLE O.D.		MAXIMUM LOAD				CABLE WEIGHT	
		in.	mm	INSTALL lbs-f	N	OPERATION lbs-f	N	lbs/1000ft	kg/1000m
<b>8.1/125 µm Metro (MAN) Singlemode (8.1/125/250)</b>									
60670-2	2	.287	7.2	300	1335	150	667	39.4	58.7
60670-4	4	.287	7.2	300	1335	150	667	39.4	58.7
60670-6	6	.287	7.2	300	1335	150	667	39.4	58.7
60670-8	8	.287	7.2	300	1335	150	667	39.5	58.8
60670-10	10	.287	7.2	300	1335	150	667	39.5	58.8
60670-12	12	.287	7.2	300	1335	150	667	39.5	58.9
<b>7.2/125 µm Large Area (WAN) Singlemode (9.6/125/250)</b>									
60671-2	2	.287	7.2	300	1335	150	667	39.4	58.7
60671-4	4	.287	7.2	300	1335	150	667	39.4	58.7
60671-6	6	.287	7.2	300	1335	150	667	39.4	58.7
60671-8	8	.287	7.2	300	1335	150	667	39.5	58.8
60671-10	10	.287	7.2	300	1335	150	667	39.5	58.8
60671-12	12	.287	7.2	300	1335	150	667	39.5	58.9

## Mechanical Specifications

### Bend radius

- No load = 10x cable overall diameter
- Load = 20x cable overall diameter

### Central Tube Diameter

	in.	mm
2-fibers per tube	.160	4.1
4-fibers per tube	.160	4.1
6-fibers per tube	.160	4.1
8-fibers per tube	.160	4.1
10-fibers per tube	.160	4.1
12-fibers per tube	.160	4.1

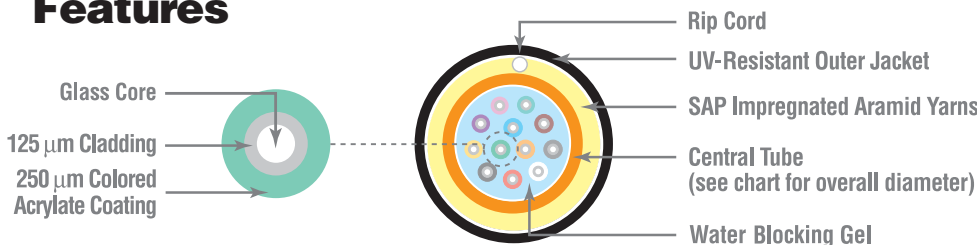
## Optical Specifications

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

	8.1/125 µm METRO (MAN) SINGLEMODE	9.6/125 µm LARGE AREA (WAN) SINGLEMODE
MAXIMUM ATTENUATION	≤ 0.50 dB/km at 1310 nm ≤ 0.25 dB/km at 1550 nm ≤ 0.25 dB/km at 1605 nm	= ≤ 0.25 dB/km at 1550 nm ≤ 0.25 dB/km at 1625 nm
RECOMMENDED APPLICATION	These non-zero dispersion shifted cables support 2.5 Gbps and 10 Gbps data rates. They are optimized to support the high data rate wavelength division multiplexed (WDM) systems commonly specified for medium distance, metropolitan networks.	These cables have a larger mode-field diameter for maximum optical reach, higher power handling capability, longer amplifier spacing, and support of dense wavelength division multiplexing (DWDM) technology. Compatible with legacy 2.5 Gbps systems and today's high channel count 10 Gbps systems.



## Features



### DIELECTRIC MATERIALS

Overall Jacket

### RISER

Flame-retardant thermoplastic