

# Loose Tube 12 through 432 fibers

## Product Highlights

- RoHS compliant
- Approved for use in RUS applications
- UV resistant jacket
- Gel filled loose tubes provide protection against water penetration
- Dry, super absorbent polymers (SAPs) eliminate water migration in cable interstices
- Suitable for lashed aerial, duct, and underground conduit applications
- Dual jacket constructions available

## Options

- Other configurations and fiber counts available
- Corrugated steel or interlock steel armor available
- Dual jacket constructions available
- Cables with improved attenuation available
- Low smoke zero halogen available



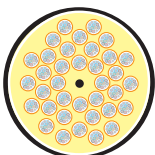
48-fibers (12 tubes of 4-fibers)



48-fibers (8 tubes of 6-fibers)



48-fibers (4 tubes of 12-fibers)



432-fibers (36 tubes of 12-fibers)

Diagram scale approx. 1:1

## 8.3/125 $\mu$ m Singlemode OSP Loose Tube

HITACHI PART NO.	# OF FIBERS PER TUBE	FIBER COUNT	TUBE LAYOUT	CABLE O.D.		MAXIMUM LOAD				CABLE WEIGHT		
				in.	mm	INSTALL lbs-f	N	OPERATION lbs-f	N	lbs/1000	kg/1000m	
<b>8.3/125 <math>\mu</math>m Singlemode (8.3/125/250)</b>												
60950-12	2	12	6xC5M	.493	12.5	600	2670	200	890	74.0	110.3	
60950-24	2	24	12xC5M	.700	17.8	600	2670	200	890	160.0	238.4	
60951-24	4	24	6xC5M	.493	12.5	600	2670	200	890	75.0	111.8	
60951-48	4	48	12xC5M	.700	17.8	600	2670	200	890	160.0	238.4	
60089-18	6	18	5xC5M	.463	11.7	600	2670	200	890	56.0	83.4	
60089-24	6	24	5xC5M	.463	11.7	600	2670	200	890	60.0	89.4	
60089-36	6	36	6xC5M	.493	12.5	600	2670	200	890	75.0	111.8	
60089-48	6	48	8xC5M	.561	14.2	600	2670	200	890	97.0	144.5	
60090-12	12	12	5xC5M	.463	11.7	600	2670	200	890	48.0	71.5	
60090-24	12	24	5xC5M	.463	11.7	600	2670	200	890	52.0	77.5	
60090-36	12	36	5xC5M	.463	11.7	600	2670	200	890	56.0	83.4	
60090-48	12	48	5xC5M	.463	11.7	600	2670	200	890	60.0	89.4	
60090-60	12	60	5xC5M	.463	11.7	600	2670	200	890	64.0	95.4	
60090-72	12	72	6xC5M	.493	12.5	600	2670	200	890	76.0	113.2	
60090-84	12	84	7xC5M	.552	14.0	600	2670	200	890	93.0	138.6	
60090-96	12	96	8xC5M	.581	14.8	600	2670	200	890	106.0	157.9	
60090-108	12	108	9xC5M	.620	15.7	600	2670	200	890	120.0	178.8	
60090-120	12	120	10xC5M	.649	16.5	600	2670	200	890	137.0	204.1	
60090-132	12	132	11xC5M	.683	17.3	600	2670	200	890	153.0	228.0	
60090-144	12	144	12xC5M	.720	18.3	600	2670	200	890	171.0	254.8	
60090-168	12	168	12x6xC5M	.737	18.7	600	2670	200	890	143.0	213.1	
60090-192	12	192	12x6xC5M	.737	18.7	600	2670	200	890	151.0	225.0	
60090-216	12	216	12x6xC5M	.737	18.7	600	2670	200	890	159.0	236.9	
60090-240	12	240	13x7xC5M	.770	19.6	600	2670	200	890	175.0	260.8	
60090-264	12	264	14x8xC5M	.805	20.4	600	2670	200	890	196.0	292.0	
60090-288	12	288	15x9xC5M	.835	21.2	600	2670	200	890	213.0	317.4	
60090-312	12	312	16x10xC5M	.870	22.1	600	2670	200	890	233.0	347.2	
60090-336	12	336	17x11xC5M	.902	22.9	600	2670	200	890	255.0	380.0	
60090-360	12	360	18x12x6xC5M	.956	24.3	600	2670	200	890	241.0	359.1	
60090-384	12	384	18x12x6xC5M	.956	24.3	600	2670	200	890	249.0	371.0	
60090-432	12	432	18x12x6xC5M	.956	24.3	600	2670	200	890	266.0	396.3	

CSM = Central Strength Member

## Optical Specifications

TIA/EIA-568-B.3 | ISO/IEC 11801, 2nd edition | Bellcore GR-20-CORE

	8.3/125 $\mu$ m SINGLEMODE	8.3/125 $\mu$ 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

# Loose Tube

## 8.3/125 $\mu\text{m}$ Singlemode StratusClear™ OSP Loose Tube

HITACHI PART NO.	# OF FIBERS PER TUBE	FIBER COUNT	TUBE LAYOUT	CABLE O.D.		MAXIMUM LOAD				CABLE WEIGHT		
				in.	mm	INSTALL lbs-f	N	OPERATION lbs-f	N	lbs/1000	kg/1000m	
<b>8.3/125 <math>\mu\text{m}</math> StratusClear™ Singlemode (8.3/125/250)</b>												
60960-12	2	12	6xC5M	.493	12.5	600	2670	200	890	74.0	110.3	
60960-24	2	24	12xC5M	.700	17.8	600	2670	200	890	160.0	238.4	
60961-24	4	24	6xC5M	.493	12.5	600	2670	200	890	75.0	111.8	
60961-48	4	48	12xC5M	.700	17.8	600	2670	200	890	160.0	238.4	
60962-18	6	18	5xC5M	.463	11.7	600	2670	200	890	56.0	83.4	
60962-24	6	24	5xC5M	.463	11.7	600	2670	200	890	60.0	89.4	
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60962-48	6	48	8xC5M	.561	14.2	600	2670	200	890	97.0	144.5	
60965-12	12	12	5xC5M	.463	11.7	600	2670	200	890	48.0	71.5	
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## Mechanical Specifications

### Bend radius

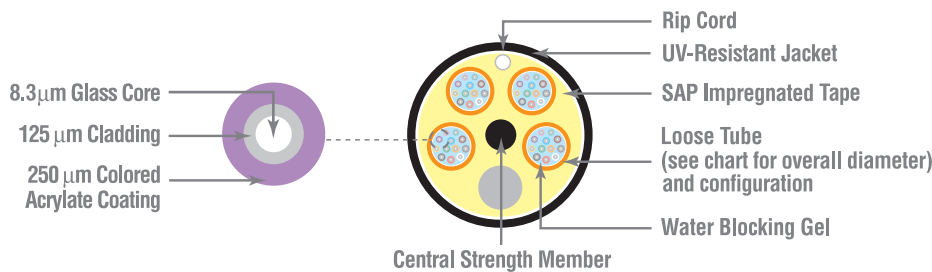
- No load = 10x cable overall diameter
- Load = 20x cable overall diameter

### Loose Tube Diameter

	in.	mm
2-fibers per tube	.110	2.8
4-fibers per tube	.110	2.8
6-fibers per tube	.110	2.8
12-fibers per tube	.110	2.8



## Features



### DIELECTRIC MATERIALS

Overall Jacket

### RISER

Medium density polyolefin



Outdoor