

# Loose Tube

12 through 144 fibers

## Product Highlights

- RoHS compliant
- 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, underground conduit and indoor riser 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 (6 tubes of 8-fibers)



48-fibers (4 tubes of 12-fibers)

Diagram scale approx. 1:1

## 62.5/125 $\mu$ m Multimode I/O Loose Tube (Riser)

(UL) OFNR c(UL)us FT4

HITACHI PART NO.	# OF FIBERS PER TUBE	FIBER COUNT	TUBE LAYOUT	CABLE O.D.		MAXIMUM LOAD INSTALL		OPERATION		CABLE WEIGHT	
				in.	mm	lbs-f	N	lbs-f	N	lbs/1000ft	kg/1000m
<b>62.5/125 <math>\mu</math>m Multimode (62.5/125/250)</b>											
60701-12	2	12	6xCSM	.422	10.7	600	2670	200	890	77.0	114.7
60701-24	2	24	12xCSM	.595	15.1	600	2670	200	890	155.0	231.0
60344-24	4	24	6xCSM	.422	10.7	600	2670	200	890	78.0	116.2
60344-48	4	48	12xCSM	.595	15.1	600	2670	200	890	155.0	231.0
60106-18	6	18	6xCSM	.422	10.7	600	2670	200	890	64.0	95.4
60106-24	6	24	6xCSM	.422	10.7	600	2670	200	890	69.0	102.8
60106-36	6	36	6xCSM	.422	10.7	600	2670	200	890	78.0	116.2
60106-48	6	48	8xCSM	.482	12.2	600	2670	200	890	100.0	149.0
60106-72	6	72	12xCSM	.595	15.1	600	2670	200	890	156.0	232.4
60702-24	8	24	6xCSM	.422	10.7	600	2670	200	890	64.0	95.4
60702-32	8	32	6xCSM	.422	10.7	600	2670	200	890	69.0	102.8
60702-48	8	48	6xCSM	.422	10.7	600	2670	200	890	79.0	117.7
60702-72	8	72	9xCSM	.509	12.9	600	2670	200	890	113.0	168.4
60107-36	12	36	6xCSM	.466	11.8	600	2670	200	890	73.0	108.8
60107-48	12	48	6xCSM	.466	11.8	600	2670	200	890	79.0	117.7
60107-60	12	60	6xCSM	.466	11.8	600	2670	200	890	85.0	126.7
60107-72	12	72	6xCSM	.466	11.8	600	2670	200	890	91.0	135.6
60107-84	12	84	7xCSM	.502	12.7	600	2670	200	890	106.0	157.9
60107-96	12	96	8xCSM	.533	13.5	600	2670	200	890	120.0	178.8
60107-108	12	108	9xCSM	.566	14.3	600	2670	200	890	137.0	204.1
60107-120	12	120	10xCSM	.599	15.2	600	2670	200	890	154.0	229.5
60107-132	12	132	11xCSM	.633	16.0	600	2670	200	890	173.0	257.8
60107-144	12	144	12xCSM	.667	16.9	600	2670	200	890	193.0	287.6

CSM = Central Strength Member

## Optical Specifications

TIA/EIA-568-B.3

ISO/IEC 11801, 2nd edition

Bellcore GR-409-CORE

	62.5/125 $\mu$ m MULTIMODE	STRATUCLR 62.5/125 $\mu$ m MULTIMODE
MAXIMUM ATTENUATION	$\leq$ 3.25 dB/km at 850 nm $\leq$ 1.0 dB/km at 1300 nm	$\leq$ 3.0 dB/km at 850 nm $\leq$ 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 1000 m at 1300 nm

HCM reserves the right to revise any specifications.

# 62.5/125 $\mu\text{m}$ and StratusClear™ Multimode Loose Tube

## 62.5/125 $\mu\text{m}$ StratusClear™ I/O Loose Tube (Riser)

(UL) OFNR c(UL)us FT4

HITACHI PART NO.	# OF FIBERS PER TUBE	FIBER COUNT	TUBE LAYOUT	CABLE O.D.		MAXIMUM LOAD INSTALL		OPERATION		CABLE WEIGHT	
				in.	mm	lbs-f	N	lbs-f	N	lbs/1000ft	kg/1000m
<b>62.5/125 <math>\mu\text{m}</math> StratusClear™ Multimode (62.5/125/250)</b>											
60704-12	2	12	6xCSM	.422	10.7	600	2670	200	890	77.0	114.7
60704-24	2	24	12xCSM	.595	15.1	600	2670	200	890	155.0	231.0
60705-24	4	24	6xCSM	.422	10.7	600	2670	200	890	78.0	116.2
60705-48	4	48	12xCSM	.595	15.1	600	2670	200	890	155.0	231.0
60706-18	6	18	6xCSM	.422	10.7	600	2670	200	890	64.0	95.4
60706-24	6	24	6xCSM	.422	10.7	600	2670	200	890	69.0	102.8
60706-36	6	36	6xCSM	.422	10.7	600	2670	200	890	78.0	116.2
60706-48	6	48	8xCSM	.482	12.2	600	2670	200	890	100.0	149.0
60706-72	6	72	12xCSM	.595	15.1	600	2670	200	890	156.0	232.4
60707-24	8	24	6xCSM	.422	10.7	600	2670	200	890	64.0	95.4
60707-32	8	32	6xCSM	.422	10.7	600	2670	200	890	69.0	102.8
60707-48	8	48	6xCSM	.422	10.7	600	2670	200	890	78.0	117.7
60707-72	8	72	9xCSM	.509	12.9	600	2670	200	890	113.0	168.4
60709-36	12	36	6xCSM	.466	11.8	600	2670	200	890	73.0	108.8
60709-48	12	48	6xCSM	.466	11.8	600	2670	200	890	79.0	117.7
60709-60	12	60	6xCSM	.466	11.8	600	2670	200	890	85.0	126.7
60709-72	12	72	6xCSM	.466	11.8	600	2670	200	890	91.0	135.6
60709-84	12	84	7xCSM	.502	12.7	600	2670	200	890	106.0	157.9
60709-96	12	96	8xCSM	.533	13.5	600	2670	200	890	120.0	178.8
60709-108	12	108	9xCSM	.566	14.3	600	2670	200	890	137.0	204.1
60709-120	12	120	10xCSM	.599	15.2	600	2670	200	890	154.0	229.5
60709-132	12	132	11xCSM	.633	16.0	600	2670	200	890	173.0	257.8
60709-144	12	144	12xCSM	.667	16.9	600	2670	200	890	193.0	287.6

CSM = Central Strength Member

## Mechanical Specifications

### Bend radius

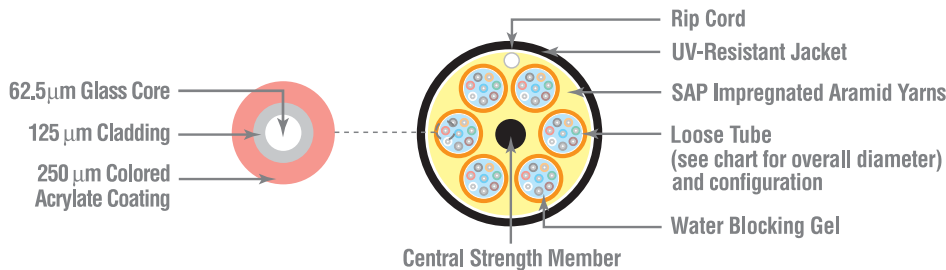
- No load = 10x cable overall diameter
- Load = 15x cable overall diameter

### Loose Tube Diameter

	in.	mm
2-fibers per tube	.095	2.4
4-fibers per tube	.095	2.4
6-fibers per tube	.095	2.4
8-fibers per tube	.095	2.4
12-fibers per tube	.110	2.8



## Features



### DIELECTRIC MATERIALS

Overall Jacket

### RISER

Flame-retardant thermoplastic



Indoor/Outdoor