

# SingleUnit 2 through 24 fibers

## Product Highlights

- RoHS compliant
- 900  $\mu\text{m}$  buffered design recommended for termination to ST and SC connectors
- 600  $\mu\text{m}$  buffered design optimized for termination to MT-RJ and other small form factor connectors; consult manufacturer for recommended overall diameter
- 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
- Low smoke zero halogen available
- Standard colors are yellow for singlemode, orange for multimode and teal for 10 Gigabit other colors are available



2-fiber



4-fiber



6-fiber



8-fiber



10-fiber



12-fiber

Diagram scale approx. 2:1

## 8.3/125 $\mu\text{m}$ Singlemode SingleUnit (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/1000 ft	kg/1000m
<b>8.3/125 <math>\mu\text{m}</math> Singlemode (8.3/125/250/900)</b>									
60012-2	2	.190	4.8	128	569	64	284	11.5	17.1
60014-4	4	.190	4.8	128	569	64	284	13.0	19.4
60014-6	6	.190	4.8	128	569	64	284	14.5	21.6
60014-8	8	.230	5.8	160	712	80	356	18.5	27.6
60014-10	10	.230	5.8	160	712	80	356	20.0	29.8
60014-12	12	.230	5.8	160	712	80	356	21.5	32.0
60014-24	24	.350	8.8	288	1282	144	641	52.4	78.1

### 8.3/125 $\mu\text{m}$ Singlemode (8.3/125/250/600) \*Special Applications

60479-2	2	.190	4.8	128	569	64	284	10.8	16.1
60550-4	4	.190	4.8	128	569	64	284	11.5	17.1
60550-6	6	.190	4.8	128	569	64	284	12.2	18.2
60550-8	8	.230	5.8	160	712	80	356	15.5	23.1
60550-10	10	.230	5.8	160	712	80	356	16.2	24.1
60550-12	12	.230	5.8	160	712	80	356	17.0	25.3
60550-24	24	.350	8.8	288	1282	144	641	52.4	78.1

## Optical Specifications

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

8.3/125 $\mu\text{m}$ SINGLEMODE	
MAXIMUM ATTENUATION	$\leq 0.50$ dB/km at 1310 nm $\leq 0.50$ dB/km at 1550 nm
GIGABIT ETHERNET SUPPORT DISTANCE	5,000 m at 1550 nm

HCM reserves the right to revise any specifications.

# Singlemode SingleUnit

Singlemode

Indoor

## 8.3/125 $\mu\text{m}$ Singlemode SingleUnit (Plenum)

(UL) OFNP 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/1000 ft	kg/1000m	
<b>8.3/125 <math>\mu\text{m}</math> Singlemode (8.3/125/250/900)</b>										
60031-2	2	.190	4.8	128	569	64	284	13.3	19.8	
60029-4	4	.190	4.8	128	569	64	284	14.5	21.6	
60029-6	6	.190	4.8	128	569	64	284	15.7	23.4	
60029-8	8	.230	5.8	160	712	80	356	20.9	31.1	
60029-10	10	.230	5.8	160	712	80	356	21.7	32.3	
60029-12	12	.230	5.8	160	712	80	356	23.0	34.3	
60029-24	24	.350	8.8	288	1282	144	641	52.4	78.1	

### 8.3/125 $\mu\text{m}$ Singlemode (8.3/125/250/600) \*Special Applications

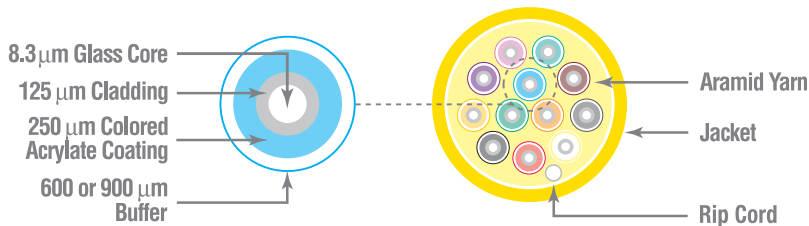
60484-2	2	.190	4.8	128	569	64	284	12.5	18.6
60551-4	4	.190	4.8	128	569	64	284	13.0	19.4
60551-6	6	.190	4.8	128	569	64	284	13.4	20.0
60551-8	8	.230	5.8	160	712	80	356	17.4	25.9
60551-10	10	.230	5.8	160	712	80	356	17.9	26.7
60551-12	12	.230	5.8	160	712	80	356	18.4	27.4
60551-24	24	.350	8.8	288	1282	144	641	52.4	78.1

## Mechanical Specifications

- Bend radius, no load = 10x cable overall diameter
- Bend radius, load = 15x cable overall diameter



## Features



### DIELECTRIC MATERIALS

Overall Jacket

### RISER

Flame-retardant thermoplastic

### PLENUM

Low-smoke, flame-retardant thermoplastic

