

# 2 through 12 fibers

## Product Highlights

- 900 µm buffered design recommended for termination to ST and SC connectors
- 600 µm 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



Diagram scale approx. 2:1

## 50/125 µm Multimode SingleUnit (Riser)

(UL) OFNR c(UL) FT4

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>										
60063-2	2	.190	4.8	90	400	30	140	11.5	16.9	
60516-4	4	.190	4.8	300	1200	100	400	13.0	19.1	
60516-6	6	.190	4.8	300	1200	100	400	14.5	21.3	
60516-8	8	.230	5.8	500	2500	200	1000	18.5	27.2	
60516-10	10	.230	5.8	600	2700	200	1000	20.0	29.4	
60516-12	12	.230	5.8	600	2700	200	1000	21.5	31.6	
<b>50/125 µm StratusClear™ Multimode (50/125/250/900)</b>										
60463-2	2	.190	4.8	90	400	30	140	11.5	16.9	
60520-4	4	.190	4.8	300	1200	100	400	13.0	19.1	
60520-6	6	.190	4.8	300	1200	100	400	14.5	21.3	
60520-8	8	.230	5.8	500	2500	200	1000	18.5	27.2	
60520-10	10	.230	5.8	600	2700	200	1000	20.0	29.4	
60520-12	12	.230	5.8	600	2700	200	1000	21.5	31.6	
<b>50/125 µm Multimode (50/125/250/600) *Special Applications</b>										
60442-2	2	.190	4.8	90	400	30	140	10.8	15.8	
60543-4	4	.190	4.8	300	1200	100	400	11.7	17.2	
60543-6	6	.190	4.8	300	1200	100	400	12.5	18.4	
60543-8	8	.230	5.8	500	2500	200	1000	15.8	23.2	
60543-10	10	.230	5.8	600	2700	200	1000	16.7	24.5	
60543-12	12	.230	5.8	600	2700	200	1000	17.5	25.7	
<b>50/125 µm StratusClear™ Multimode (50/125/250/600) *Special Applications</b>										
60447-2	2	.190	4.8	90	400	30	140	10.8	15.8	
60546-4	4	.190	4.8	300	1200	100	400	11.7	17.2	
60546-6	6	.190	4.8	300	1200	100	400	12.5	18.4	
60546-8	8	.230	5.8	500	2500	200	1000	15.8	23.2	
60546-10	10	.230	5.8	600	2700	200	1000	16.7	24.5	
60546-12	12	.230	5.8	600	2700	200	1000	17.5	25.7	

## Optical Specifications

TIA/EIA-568-B.3/B.3-1

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/s	1400 MHz·km at 850 nm n/s
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

# SingleUnit

## 50/125 $\mu\text{m}$ and StratusClear™ Multimode

### 50/125 $\mu\text{m}$ Multimode SingleUnit (Plenum)

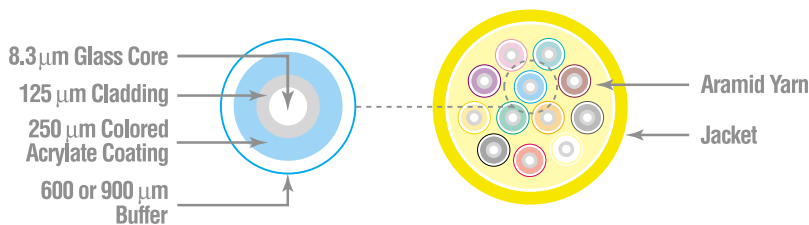
(UL) OFNP c(UL) FT6

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	
50/125 $\mu\text{m}$ Multimode (50/125/250/900)										
60026-2	2	.190	4.8	90	400	30	140	13.1	19.3	
60518-4	4	.190	4.8	300	1200	100	400	14.8	21.8	
60518-6	6	.190	4.8	300	1200	100	400	16.5	24.3	
60518-8	8	.230	5.8	500	2500	200	1000	21.0	30.9	
60518-10	10	.230	5.8	600	2700	200	1000	22.7	33.4	
60518-12	12	.230	5.8	600	2700	200	1000	24.4	35.9	
50/125 $\mu\text{m}$ StratusClear™ Multimode (50/125/250/900)										
60471-2	2	.190	4.8	90	400	30	140	13.1	19.3	
60522-4	4	.190	4.8	300	1200	100	400	14.8	21.8	
60522-6	6	.190	4.8	300	1200	100	400	16.5	24.3	
60522-8	8	.230	5.8	500	2500	200	1000	21.0	30.9	
60522-10	10	.230	5.8	600	2700	200	1000	22.7	33.4	
60522-12	12	.230	5.8	600	2700	200	1000	24.4	35.9	
50/125 $\mu\text{m}$ Multimode (50/125/250/600) *Special Applications										
60452-2	2	.190	4.8	90	400	30	140	12.5	18.4	
60544-4	4	.190	4.8	300	1200	100	400	13.4	19.7	
60544-6	6	.190	4.8	300	1200	100	400	14.4	21.2	
60544-8	8	.230	5.8	500	2500	200	1000	18.2	26.8	
60544-10	10	.230	5.8	600	2700	200	1000	19.2	28.2	
60544-12	12	.230	5.8	600	2700	200	1000	20.2	29.7	
50/125 $\mu\text{m}$ StratusClear™ Multimode (50/125/250/600) *Special Applications										
60457-2	2	.190	4.8	90	400	30	140	12.5	18.4	
60547-4	4	.190	4.8	300	1200	100	400	13.4	19.7	
60547-6	6	.190	4.8	300	1200	100	400	14.4	21.2	
60547-8	8	.230	5.8	500	2500	200	1000	18.2	26.8	
60547-10	10	.230	5.8	600	2700	200	1000	19.27	28.2	
60547-12	12	.230	5.8	600	2700	200	1000	20.2	29.7	

### Mechanical Specifications

- Bend radius, no load = 4x cable overall diameter
- Bend radius, load = 10x cable overall diameter

### Features



**DIELECTRIC MATERIALS**

Overall Jacket

**RISER**

Flame-retardant thermoplastic

**PLENUM**

Low-smoke, flame-retardant thermoplastic

