

Breakout 2 through 18 fibers

Product Highlights

- RoHS compliant
- .098 in. (2.5 mm) aramid filled subunits
- User-friendly “break-out” design
- High tensile strength
- Flexible aramid yarns and individual jackets add strength to each fiber
- Color-coded subunits facilitate identification
- Color-coded and number-coded subunits facilitate identification for cables containing more than 12 fibers

Options

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



2-fiber



4-fiber



6-fiber



8-fiber



10-fiber



12-fiber

Diagram scale approx. 1:1

8.3/125 μ m Singlemode Breakout (Riser)

(UL) OFNR c(UL)us FT4

HITACHI PART NO.	FIBER COUNT	CABLE O.D. in.	mm	MAXIMUM LOAD INSTALL		OPERATION		CABLE WEIGHT lbs/1000ft	kg/1000m
				lbs-f	N	lbs-f	N		
8.3/125 μm Singlemode (8.3/125/250/900)									
60016-2	2	.320	8.1	128	570	64	285	39.9	59.5
60016-4	4	.320	8.1	256	1139	128	570	38.9	58.0
60016-6	6	.377	9.5	384	1709	192	855	57.3	85.4
60016-8	8	.437	11.0	512	2279	256	1139	76.2	113.5
60016-10	10	.498	12.6	640	2849	320	1424	111.0	165.4
60016-12	12	.513	13.0	768	3418	384	1709	103.0	153.5
60016-14	14	.516	13.1	896	3988	512	1994	108.0	160.9
60016-16	16	.544	13.8	1024	4557	512	2279	116.0	172.8
60016-18	18	.573	14.6	1152	5128	576	2564	132.0	196.7

Optical Specifications

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

8.3/125 μ m SINGLEMODE

MAXIMUM ATTENUATION ≤ 0.50 dB/km at 1310 nm
 ≤ 0.50 dB/km at 1550 nm

GIGABIT ETHERNET SUPPORT
 DISTANCE 5000 m at 1550 nm

HCM reserves the right to revise any specifications.

8.3/125 μm Singlemode Breakout (Plenum)

(UL) OFNP c(UL)us FT6

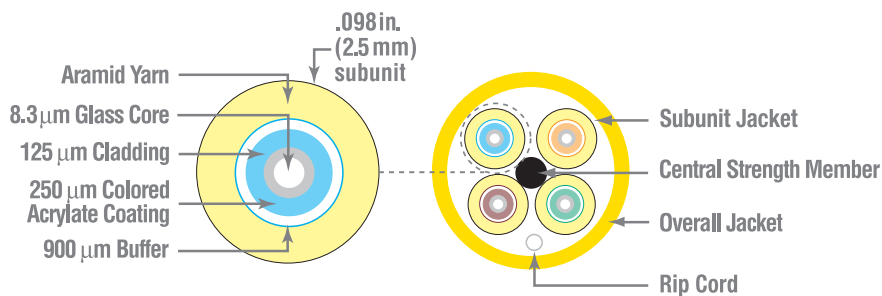
HITACHI PART NO.	FIBER COUNT	CABLE O.D.		MAXIMUM LOAD INSTALL		OPERATION		CABLE WEIGHT	
		in.	mm	lbs-f	N	lbs-f	N	lbs/1000ft	kg/1000m
8.3/125 μm Singlemode (8.3/125/250/900)									
60034-2	2	.320	8.1	128	570	64	285	47.3	70.5
60034-4	4	.320	8.1	256	1139	128	570	44.8	66.8
60034-6	6	.377	9.5	384	1709	192	855	64.4	96.0
60034-8	8	.437	11.0	512	2279	256	1139	86.2	128.4
60034-10	10	.498	12.6	640	2849	320	1424	126.0	187.7
60034-12	12	.513	13.0	768	3418	384	1709	118.0	175.8
60034-14	14	.516	13.1	896	3988	512	1994	116.0	172.8
60034-16	16	.544	13.8	1024	4557	512	2279	129.0	192.2
60034-18	18	.573	14.6	1152	5128	576	2564	146.0	217.5

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

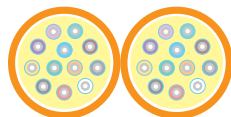


Product Highlights

- RoHS compliant
- 250 micron loose tube design allows for higher fiber strand counts in a smaller overall diameter cable
- Ideal for MT and MTP/MPO style connectors
- No gel design makes installation quick, easy and clean
- Each fiber is color coded for easy identification
- Flexible and easy to handle
- Lightweight, flexible Aramid yarns enhance strength

Options

- Cables with improved attenuation available
- Low smoke zero halogen available
- Cables with extended 10 Gigabit Ethernet support distances available



Zip Cord

Diagram scale approx. 5:1

NanoCore™ Multimode Loose Tube No Gel Distribution Zip Cord (Plenum)

(UL) OFCP c(UL)us FT6

HITACHI PART NO.	FIBER COUNT	CABLE O.D. in.	mm	MAXIMUM LOAD INSTALL		OPERATION		CABLE WEIGHT lbs/1000 ft	kg/1000m
				lbs-f	N	lbs-f	N		
50/125 um Multimode (50/125/250)									
61546-12	12	.118 X .255	3.0 X 6.47	128	569	64	284	11.3	16.8
61546-24	24	.118 X .255	3.0 X 6.47	128	569	64	284	11.4	17.0
50/125 um StratusClear™ Multimode (50/125/250)									
61539-12	12	.118 X .255	3.0 X 6.47	128	569	64	284	11.3	16.8
61539-24	24	.118 X .255	3.0 X 6.47	128	569	64	284	11.4	17.0
62.5/125 um Multimode (62.5/125/250)									
61548-12	12	.118 X .255	3.0 X 6.47	128	569	64	284	11.3	16.8
61548-24	24	.118 X .255	3.0 X 6.47	128	569	64	284	11.4	17.0

Optical Specifications

TIA/EIA-568-B.3

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/a	2000 MHz•km at 850 nm n/a
GIGABIT ETHERNET SUPPORT DISTANCE	600 m at 850 nm 600 m at 1300 nm	1,000 m at 850 nm 1,000 m at 1300 nm
10 GIGABIT ETHERNET SUPPORT DISTANCE	n/a n/a	300 m at 850 nm n/a
	62.5/125 μm MULTIMODE	
MAXIMUM ATTENUATION	≤ 3.5 dB/km at 850 nm ≤ 1.0 dB/km at 1300 nm	
MINIMUM BANDWIDTH (OFL)	200 MHz•km at 850 nm 500 MHz•km at 1300 nm	
MINIMUM BANDWIDTH (RML)	220 MHz•km at 850 nm n/a	
GIGABIT ETHERNET SUPPORT DISTANCE	300 m at 850 nm 550 m at 1300 nm	

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