

NanoCore™ 12 through 96 fibers

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
- Color-coded binders separate fiber strands into bundles of 12
- Rugged dual-jacket design
- 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
- Standard colors are yellow for singlemode, orange for multimode and teal for 10 Gigabit other colors are available



12-fibers

Diagram scale approx. 3:1

NanoCore™ Multimode Loose Tube No Gel Distribution Dual-Jacket (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	
50/125 um Multimode (50/125/250)										
61549-12	12	0.335	8.5	384	1709	192	855	47.0	70.0	
61549-24	24	0.335	8.5	384	1709	192	855	47.2	70.3	
61549-36	36	0.335	8.5	384	1709	192	855	47.4	70.6	
61549-48	48	0.335	8.5	384	1709	192	855	47.6	70.9	
61549-72	72	0.335	8.5	384	1709	192	855	47.8	71.2	
61549-96	96	0.335	8.5	384	1709	192	855	60.3	89.7	
50/125 um StratusClear™ Multimode (50/125/250)										
61509-12	12	0.335	8.5	384	1709	192	855	47.0	70.0	
61509-24	24	0.335	8.5	384	1709	192	855	47.2	70.3	
61509-36	36	0.335	8.5	384	1709	192	855	47.4	70.6	
61509-48	48	0.335	8.5	384	1709	192	855	47.6	70.9	
61509-72	72	0.335	8.5	384	1709	192	855	47.8	71.2	
61509-96	96	0.335	8.5	384	1709	192	855	60.3	89.7	
62.5/125 um Multimode (62.5/125/250)										
61551-12	12	0.335	8.5	384	1709	192	855	47.0	70.0	
61551-24	24	0.335	8.5	384	1709	192	855	47.2	70.3	
61551-36	36	0.335	8.5	384	1709	192	855	47.4	70.6	
61551-48	48	0.335	8.5	384	1709	192	855	47.6	70.9	
61551-72	72	0.335	8.5	384	1709	192	855	47.8	71.2	
61551-96	96	0.335	8.5	384	1709	192	855	60.3	89.7	

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	

HCM reserves the right to revise any specifications.

Loose Tube

Indoor

NanoCore™ Singlemode Loose Tube No Gel Distribution Dual-Jacket (Plenum)

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HITACHI PART NO.	FIBER COUNT	CABLE O.D. in.	mm	MAXIMUM LOAD INSTALL		OPERATION		CABLE WEIGHT	
				lbs-f	N	lbs-f	N	lbs/1000 ft	kg/1000m
8.3/125 μm Singlemode (8.3/125/250)									
61550-12	12	0.335	8.5	384	1709	192	855	47.0	70.0
61550-24	24	0.335	8.5	384	1709	192	855	47.2	70.3
61550-36	36	0.335	8.5	384	1709	192	855	47.4	70.6
61550-48	48	0.335	8.5	384	1709	192	855	47.6	70.9
61550-72	72	0.335	8.5	384	1709	192	855	47.8	71.2
61550-96	96	0.335	8.5	384	1709	192	855	60.3	89.7

Mechanical Specifications

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



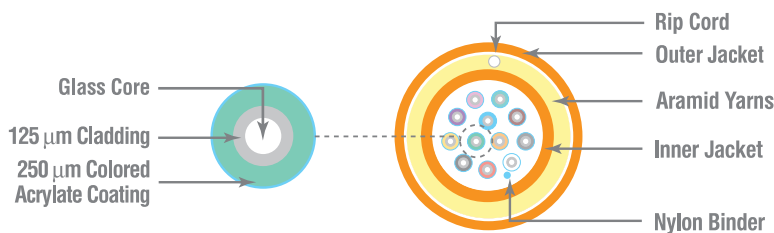
Optical Specifications

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

	8.3/125 μm SINGLEMODE
MAXIMUM ATTENUATION	≤ 0.50 dB/km at 1310 nm ≤ 0.50 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.

Features



DIELECTRIC MATERIALS	PLENUM
Overall Jacket	Low-smoke, flame-retardant thermoplastic

