

Armored

24 through 144 fibers

HITACHI

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Product Highlights

- REACH & RoHS 2 compliant.
- Made in USA.
- All multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers.
- Eliminates need for inner duct or conduit.
- Ideal for MPO (MTP) style connectors.
- Aluminum interlock armor.
- Each fiber is color coded for easy identification.
- Flexible and easy to handle.

Options

- Riser/LSZH cables available.
- OS2 optical fibers with enhanced bend-insensitive performance are available.
- Standard jacket colors are:
 Yellow: OS2
 Orange: OM1 & OM2
 Aqua: OM3 & OM4
Note: Erika Violet for OM4 is available
- 16 Fiber colors are available.
- OM4 (OM4+) optical fibers with extended 10 gigabit Ethernet distances are available.
- Enhanced bend insensitive OS2 optical fiber is available (ITU-T G.657.B3).
- Steel interlock armor available.

Applications

- Ideal for high-density installations like data centers, central offices and overall premise applications where current or future data rates include 40 and 100 gigabits per second.
- For additional applications, visit the HCA website.

Standards

- TIA/EIA-568-C.3
- ISO/IEC 11801, 2nd edition
- Telcordia GR-409-CORE
- OS2 glass is compliant to ITU-T G.657.A1

Armored NanoCore™ Micro Distribution (Plenum) (UL) OFCP c(UL) OFCP FT6

PART NUMBERS BY FIBER COUNT	FIBERS	FIBERS/TUBE	TUBE LAYOUT	TUBE OD		62.5 UM OM1	50 UM OM2	50 UM OM3	50 UM OM4	8.3 UM OS2
				in.	mm					
	24	12	2+FxCSM	0.079	2.0	62285-24	62286-24	62251-24	62257-24	62255-24
36	12	3xCSSM	0.079	2.0	62285-36	62286-36	62251-36	62257-36	62255-36	
48	12	4xCSSM	0.079	2.0	62285-48	62286-48	62251-48	62257-48	62255-48	
72	12	6xCSSM	0.079	2.0	62285-72	62286-72	62251-72	62257-72	62255-72	
96	12	8xCSSM	0.079	2.0	62285-96	62286-96	62251-96	62257-96	62255-96	
144	12	9x3xCSSM	0.079	2.0	62285-144	62286-144	62251-144	62257-144	62255-144	

SPECIFICATIONS BY FIBER COUNT	FIBERS	FIBERS/TUBE	TUBE LAYOUT	TUBE OD		CABLE OD		RECOMMENDED MAXIMUM LOADS				CABLE WEIGHT	
				in.	mm	in.	mm	INSTALL		OPERATION		lbs/kft	Kg/Km
						lbs	N	lbs	N				
24	12	2+FxCSM	0.079	2.0	0.585	14.9	150	668	45	200	133	198	
36	12	3xCSSM	0.079	2.0	0.585	14.9	150	668	45	200	133	198	
48	12	4xCSSM	0.079	2.0	0.608	15.4	150	668	45	200	147	219	
72	12	6xCSSM	0.079	2.0	0.649	16.5	150	668	45	200	169	252	
96	12	8xCSSM	0.079	2.0	0.700	17.8	150	668	45	200	194	289	
144	12	9x3xCSSM	0.079	2.0	0.748	19.0	150	668	45	200	212	315	

Cable Characteristics

Note: Part number rows in upper table directly correspond to cable characteristic rows in the same location of the lower table.

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Optical Specifications

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

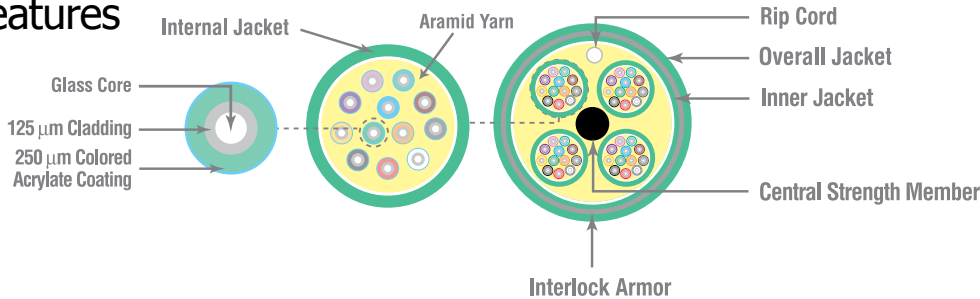
Fiber type	Max. Attenuation		Min OFL Bandwidth		Min EMBc Bandwidth		Gb Ethernet distance		10 Gb Ethernet distance	
	(dB/km)		(MHz-km)		(MHz-km)		(m)		(m)	
	850nm (MM) or 1310nm (SM)	1300nm (MM) or 1550nm (SM)	850nm (MM) or 1310nm (SM)	1300nm (MM) or 1550nm (SM)	850nm (MM) or 1310nm (SM)	1300nm (MM) or 1550nm (SM)	850nm (MM) or 1310nm (SM)	1300nm (MM) or 1550nm (SM)	850nm (MM) or 1310nm (SM)	1300nm (MM) or 1550nm (SM)
OM1	3.5	1.0	200	500	220	N/A	300	550	33	N/A
OM2	2.8	1.0	700	500	950	N/A	750	550	150	N/A
OM3	2.8	1.0	1500	500	2000	N/A	1000	550	300	N/A
OM4	2.8	1.0	3500	500	4700	N/A	1100	550	550	N/A
OS2	0.5	0.5	N/A	N/A	N/A	N/A	> 25,000	> 40,000	10,000 - 25,000	40000

Hitachi Cable America reserves the right to revise any specifications.

Cable Temperature Ranges

Storage: -40° to 70°C (-40° to 158°F)
 Installation: 0° to 60°C (32° to 140°F)
 Operating: 0° to 70°C (32° to 158°F)

Features

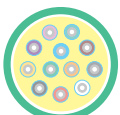


DIELECTRIC MATERIALS

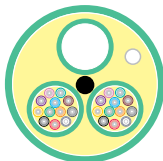
Overall Jacket

PLENUM

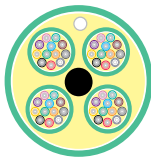
Flame-retardant thermoplastic



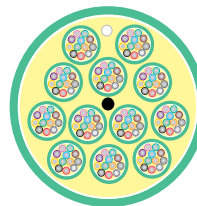
12 fibers



24 fibers



48 fibers



144 fibers

Mechanical Specifications

- Bend radius, no load = 15x cable overall diameter
- Bend radius, load = 20x cable overall diameter



FIBER

