

Armored

2 through 144 fibers

Indoor Fiber Armored

HITACHI

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Product Highlights

- RoHS compliant.
- All Multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers.
- 900um buffered design recommended for easy termination.
- Eliminates need for inner duct or conduit.
- Aluminum interlock armor.
- 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

- Standard jacket colors are:
 Yellow: OS2
 Orange: OM1 & OM2
 Aqua: OM3 & OM4
Note: Violet for OM4 is available
- OS2 optical fibers with enhanced bend-insensitive performance are available.
- OM4 optical fibers with extended 10 gigabit Ethernet distances are available.

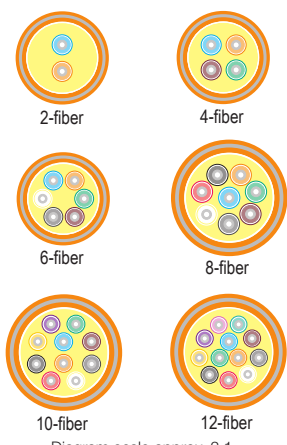
Applications

- See Page 93.

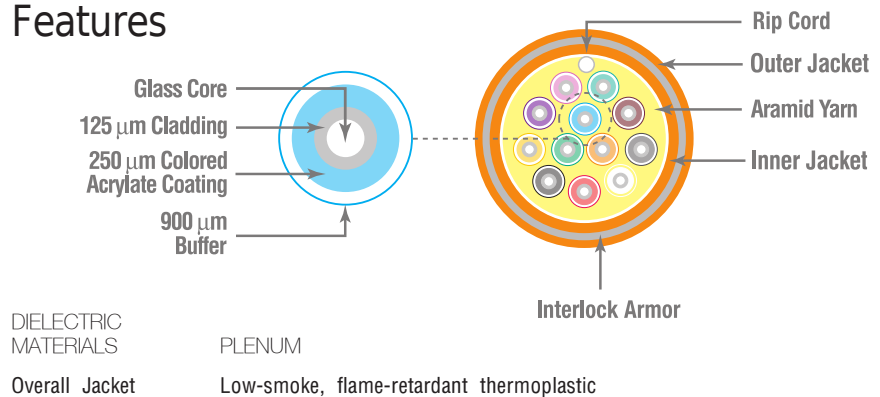
Armored Tight Buffered (Plenum)

(UL) OFCP c(UL) OFCP FT6

Fiber Count	62.5 UM OM1	50 UM OM2	50 UM OM3	50 UM OM4	8.3 UM OS2
2	60405-2	61319-2	61337-2	61897-2	61433-2
4	60405-4	61319-4	61337-4	61897-4	61433-4
6	60405-6	61319-6	61337-6	61897-6	61433-6
8	60405-8	61319-8	61337-8	61897-8	61433-8
10	60405-10	61319-10	61337-10	61897-10	61433-10
12	60405-12	61319-12	61337-12	61897-12	61433-12
24	60405-24	61319-24	61337-24	61897-24	61433-24
48	62183-48	62184-48	62185-48	62186-48	62187-48
72	62183-72	62184-72	62185-72	62186-72	62187-72
96	62183-96	62184-96	62185-96	62186-96	62187-96
144	62183-144	62184-144	62185-144	62186-144	62187-144



Features



Multimode and Singlemode Armored

Armored Tight Buffered (Plenum)

(UL) OFCP c(UL) OFCP FT6

FIBER COUNT	CABLE	O.D.	RECOMMENDED MAXIMUM LOADS				CABLE WEIGHT	
			INSTALL		OPERATION		lbs/1000 ft	kg/1000m
	in.	mm	lbs-f	N	lbs-f	N		
2	.48	12.192	128	570	64	285	99.2	147.8
4	.48	12.192	128	570	64	285	100.4	149.6
6	.48	12.192	128	570	64	285	101.6	151.4
8	.52	13.208	160	712	80	356	116.7	173.9
10	.52	13.208	160	712	80	356	117.5	175.1
12	.52	13.208	160	712	80	356	118.8	177.0
24	.64	16.332	288	1282	144	641	164.1	244.5
48	0.94	23.876	640	2848.639	320	1424.319	385.7	574.0
72	1.086	27.584	960	4272.958	480	2136.479	506.6	753.9
96	1.279	32.487	1280	5697.278	640	2848.639	694.5	1033.6
144	1.4	35.560	1920	8545.917	960	4272.958	782.4	1164.4

Mechanical Specifications

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



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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)

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	3.5	1.0	700	500	950	N/A	750	550	150	N/A
OM3	3.25	1.0	1500	500	2000	N/A	1000	550	300	N/A
OM4	3.0	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.

