

Armored

2 through 144 fibers

HITACHI

Inspire the Next

Product Highlights

- REACH & RoHS 2 compliant.
- Made in USA.
- 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

- Applications include 10, 40 & 100 gigabit Ethernet, Fibre Channel, Video, Security and Automation.

Standards

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

Armored Tight Buffered (Plenum) (UL) OFCP c(UL) OFCP FT6

PART NUMBERS BY FIBER COUNT	FIBERS	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	

SPECIFICATIONS BY FIBER COUNT	FIBERS		RECOMMENDED MAXIMUM LOADS				CABLE WEIGHT	
	CABLE	O.D.	INSTALLATION		OPERATION			
	in.	mm	lbs-f	N	lbs-f	N	lbs/1000 ft	kg/1000m
2	.48	12.192	128	570	38	171	99.2	147.8
4	.48	12.192	128	570	38	171	100.4	149.6
6	.48	12.192	128	570	38	171	101.6	151.4
8	.52	13.208	160	712	48	214	116.7	173.9
10	.52	13.208	160	712	48	214	117.5	175.1
12	.52	13.208	160	712	48	214	118.8	177.0
24	.64	16.332	288	1282	86	385	164.1	244.5
48	0.94	23.876	640	2849	192	855	385.7	574.0
72	1.086	27.584	960	4273	288	1282	506.6	753.9
96	1.279	32.487	1280	5697	384	1709	694.5	1033.6
144	1.4	35.560	1920	8546	576	2564	782.4	1164.4

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	3.0	1.0	700	500	950	N/A	750	550	150	N/A
OM3	3.0	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.

Mechanical Specifications

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

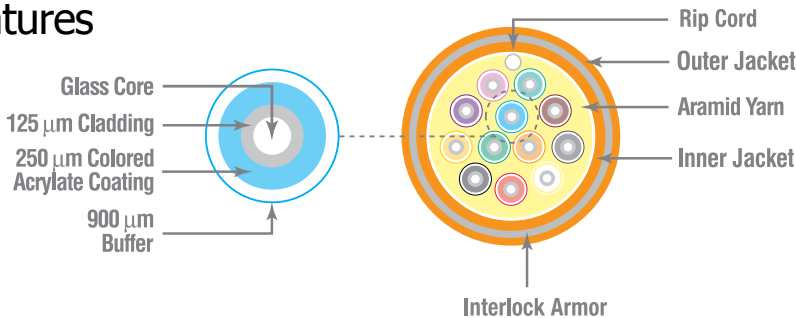


FIBER

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: PLENUM
 Overall Jacket: Flame-retardant thermoplastic

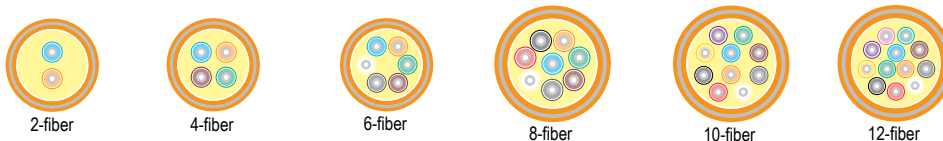


Diagram scale approx. 2:1

