

# Armored

2 Through 24 fibers

FIBER

## 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 innerduct or conduit.
- Aluminum interlock armor standard.
- Each fiber is color coded for easy identification.
- Ideal cable solution for campus environments.
- Flexible and easy to handle.
- UV Resistant Jacket.
- Dry, super absorbent polymers (SAPs) eliminate water migration in cable interstices.
- Suitable for lashed aerial, duct, underground conduit and indoor plenum applications.
- 900um buffered design recommended for easy termination.

### Options

- Standard color configuration is a black outer jacket with a black inner jacket. Colored inner and outer jackets (orange, yellow & aqua) can be special ordered.
- OS2 optical fibers with enhanced bend-insensitive performance are available.
- OM4 optical fibers with extended 10 gigabit Ethernet distances are available.
- Steel Interlock armor available.

### Applications

- Applications include 10, 40 & 100 gigabit Ethernet, Fibre Channel, Video, Security, 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	61580-2	61577-2	61578-2	62068-2	61579-2
4	61580-4	61577-4	61578-4	62068-4	61579-4	
6	61580-6	61577-6	61578-6	62068-6	61579-6	
8	61580-8	61577-8	61578-8	62068-8	61579-8	
12	61580-12	61577-12	61578-12	62068-12	61579-12	
24	61580-24	61577-24	61578-24	62068-24	61579-24	

SPECIFICATIONS BY FIBER COUNT	CABLE O.D.		RECOMMENDED MAXIMUM LOADS				CABLE WEIGHT	
			INSTALL		OPERATION			
	in.	mm	lbs-f	N	lbs-f	N	lbs/1000 ft	kg/1000m
2	0.48	12.192	300	1335	100	445	100.4	149.4
4	0.48	12.192	300	1335	100	445	101.7	151.4
6	0.48	12.192	300	1335	100	445	103.0	153.3
8	0.52	13.208	300	1335	100	445	109.1	162.4
12	0.52	13.208	300	1335	100	445	111.8	166.4
24	0.64	16.256	600	2671	200	890	164.1	244.2

Cable Characteristics

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

# IN/OUTDOOR Armored

Multimode and Singlemode

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

### 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.

### Cable Temperature Ranges

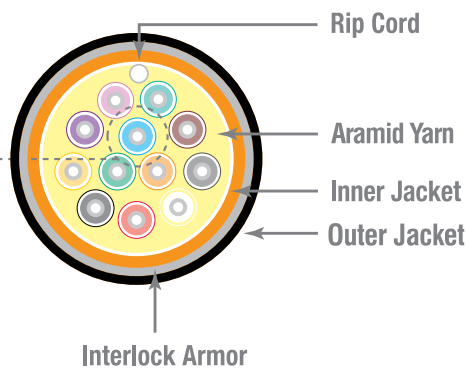
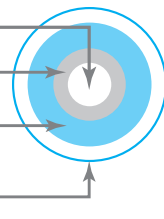
Storage: -40° to 70°C (-40° to 158°F)

Installation: 0°C to 60°C (32° to 140°F)

Operating: -40° to 70°C (-40° to 158°F)

### Features

Glass Core  
125 μm Cladding  
250 μm Colored Acrylate Coating  
600 or 900 μm Buffer



DIELECTRIC MATERIALS  
Overall Jacket

PLENUM  
Low-smoke, Flame-retardant thermoplastic



12-fiber

Diagram scale approx. 2:1

### Mechanical Specifications

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



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