

Multi-Unit 12 through 144 fibers

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Product Highlights

- REACH & RoHS 2 compliant.
- Made in USA.
- 900 micron buffered design recommended for easy termination.
- All multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers.
- Each fiber is color coded for easy identification.
- Compact distribution design.
- Ideal intra-building, multi-floor cable solution.
- Lightweight, flexible aramid yarns enhance strength.

Options

- Enhanced bend insensitive OS2 optical fiber is available (ITU-T G.657.B3 & G.657.A2).
- Standard jacket colors are:
 Yellow: OS2
 Orange: OM1 & OM2
 Aqua: OM3 & OM4
Note: Violet for OM4 is available
- OM4+ optical fibers with extended 10 gigabit Ethernet distances are available.

Applications

- Applications include 10, 40 & 100 gigabit Ethernet, Fibre Channel, Video, Security, Automation.
- OM5 supports applications utilizing Short Wave Division Multiplexing (SWDM).

Standards

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

Multi-Unit (Riser) (UL) OFNR c(UL) OFNR FT4

PART NUMBERS BY FIBER COUNT

FIBERS	FIBERS/TUBE	62.5 UM OM1	50 UM OM2	50 UM OM3	50 UM OM4	50 UM OM5	8.3 UM OS2
18	6	60567-18	60595-18	60581-18	61872-18	62743-18	60633-18
24	6	60567-24	60595-24	60581-24	61872-24	62743-24	60633-24
36	6	60567-36	60595-36	60581-36	61872-36	62743-36	60633-36
48	6	60567-48	60595-48	60581-48	61872-48	62743-48	60633-48
72	6	60567-72	60595-72	60581-72	61872-72	62743-72	60633-72
36	12	60006-36	60009-36	60613-36	61874-36	62744-36	60015-36
48	12	60006-48	60009-48	60613-48	61874-48	62744-48	60015-48
60	12	60006-60	60009-60	60613-60	61874-60	62744-60	60015-60
72	12	60006-72	60009-72	60613-72	61874-72	62744-72	60015-72
96	12	60006-96	60009-96	60613-96	61874-96	62744-96	60015-96
144	12	60006-144	60009-144	60613-144	61874-144	62744-144	60015-144

SPECIFICATIONS BY FIBER COUNT

FIBERS	FIBERS/TUBE	TUBE LAYOUT	CABLE O.D.	RECOMMENDED MAXIMUM LOADS						
				INSTALL		OPERATION		CABLE WEIGHT		
				in.	mm	lbs-f	N	lbs-f	N	lbs/1000 ft
18	6	3xC5M	.499	12.6	384	1709	115	513	75.0	111.8
24	6	4xC5M	.538	13.6	512	2279	154	684	93.0	138.6
36	6	6xC5M	.650	16.5	768	3418	230	1025	143.0	213.1
48	6	8xC5M	.792	20.1	1024	4557	307	1367	222.0	330.8
72	6	9x3xC5M	.903	22.9	1536	6837	461	2051	241.0	359.1
36	12	3xC5M	.579	14.7	480	2136	144	641	106.0	157.9
48	12	4xC5M	.634	16.1	640	2848	192	854	134.0	199.7
60	12	5xC5M	.701	17.8	800	3561	240	1068	169.0	251.8
72	12	6xC5M	.770	19.5	960	4272	288	1282	208.0	309.9
96	12	8xC5M	.937	23.8	1280	5697	384	1709	321.0	478.3
144	12	9x3xC5M	1.06	26.9	1920	8545	576	2564	355.0	529.0

Cable Characteristics

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

Multi-Unit

Multimode and Singlemode

Multi-Unit (Riser) (UL) OFNR c(UL) OFNR FT4

Optical Specifications

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

Fiber type	Max. Attenuation (dB/km)		Min OFL Bandwidth (MHz-km)		Min EMBC Bandwidth (MHz-km)		Gb Ethernet distance (m)		10 Gb Ethernet distance (m)	
	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)	850nm (MM)	1300nm (MM)
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
OM5*	3.0	1.0	3500	500	4700	N/A	1100	550	550	N/A
	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)	1310nm (SM)	1550nm (SM)
OS2	0.5	0.5	N/A	N/A	N/A	N/A	> 25,000	> 40,000	10,000 - 25,000	40,000

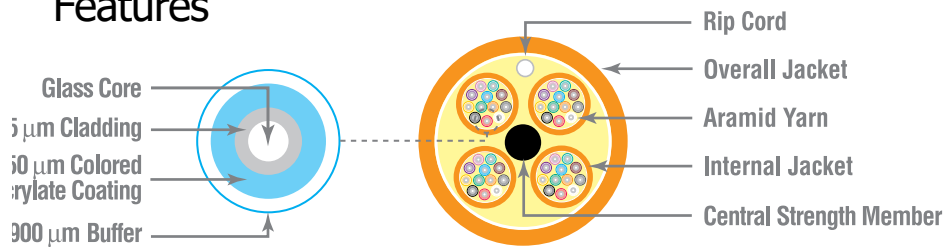
Hitachi Cable America reserves the right to revise any specifications.

*OM5 optical fiber tested by glass manufacturer and exceeds the requirements of all applicable industry standards.

Cable Temperature Ranges

Storage: -40° to 70°C (-40° to 158°F)
 Installation: -10° to 60°C (14° to 140°F)
 Operating: -20° to 70°C (-4° to 158°F)

Features

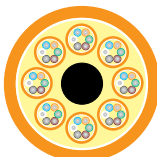


DIELECTRIC MATERIALS

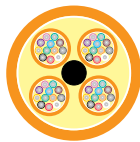
RISER

Overall Jacket

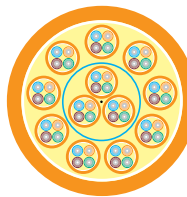
Flame-retardant thermoplastic



48-fibers
(8 tubes of 6-fibers)



48-fibers
(4 tubes of 12-fibers)



48-fibers
(12 tubes of 4-fibers)

Diagram scale approx. 1:1

Mechanical Specifications

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



FIBER

