

Indoor Tight Buffered Interconnect - Riser

Riser - Multimode & Single Mode - 1 fiber, 2 fiber and zip
(UL) OFNR c(UL) OFNR FT4

FEATURES & BENEFITS

- REACH & RoHS 2 compliant
- Made in U.S.A.
- 900 micron buffered design recommended for easy termination
- All multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers
- Ideal for patch cords, interconnections, and short runs
- Easy to strip and terminate
- 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
 - Lime Green: OM5
- Note: Erika Violet for OM4 is available.
- OM4+ optical fibers with extended 10 gigabit Ethernet distances are available

APPLICATIONS

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

STANDARDS

- ANSI/TIA-568.3-D
- ISO/IEC 11801, 2nd edition
- Telcordia GR-409-CORE

TEMPERATURE RANGE

- **Storage Temperature**
-40° to 70°C
(-40° to 158°F)
- **Installation Temperature**
-10° to 60°C
(14° to 140°F)
- **Operation Temperature**
-20° to 70°C
(-4° to 158°F)

DIELECTRIC MATERIALS

- **Riser**
Overall Jacket: Flame-retardant Thermoplastic

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Fibers	Cable O.D. inches / mm	62.5 UM OM1	50 UM OM2	50 UM OM3	50 UM OM4	50 UM OM5	8.3 UM OS2
1	0.114" / 2.9mm	60001-1	60004-1	60464-1	61838-1	62720-1	60040-1
1	0.094" / 2.4mm	60037-1	60003-1	60465-1	61791-1	62721-1	60039-1
1	0.079" / 2.0mm	60038-1	60002-1	60466-1	61792-1	62722-1	60010-1
1	0.063" / 1.6mm	60425-1	60462-1	60467-1	61793-1	62723-1	60489-1
2	0.114" / 2.9mm	60001-2	60004-2	60464-2	61838-2	62720-2	60040-2
2	0.190" / 4.8mm	60514-2	60063-2	60463-2	61842-2	62724-2	60012-2
zip	.079" x .170" / 2.0mm x 4.3mm	60288-2	60376-2	61483-2	61988-2	62725-2	60289-2
zip	.110" x .229" / 2.9mm x 5.8mm	60005-2	60007-2	60501-2	61844-2	62726-2	60011-2

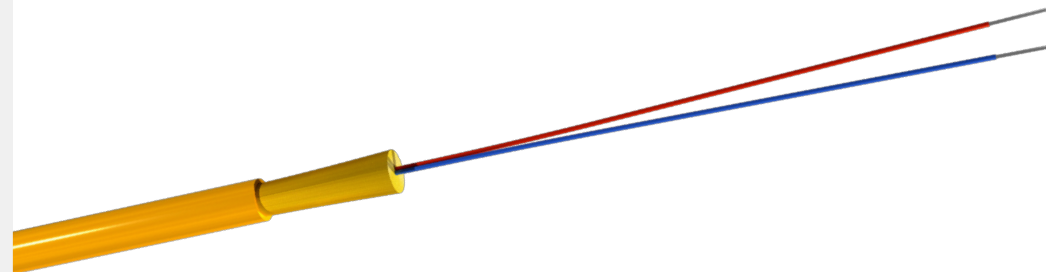
Standard Jacket Colors



Optical Specifications TIA-568.3-D | ISO/IEC 11801, 2nd edition | Telcordia GR-409-CORE

Fiber Type	Max Attenuation (dB/km)		Min OFL Bandwidth (MHz-km)		Min EMBc Bandwidth (MHz-hm)		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

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



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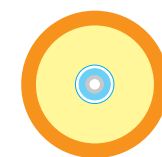
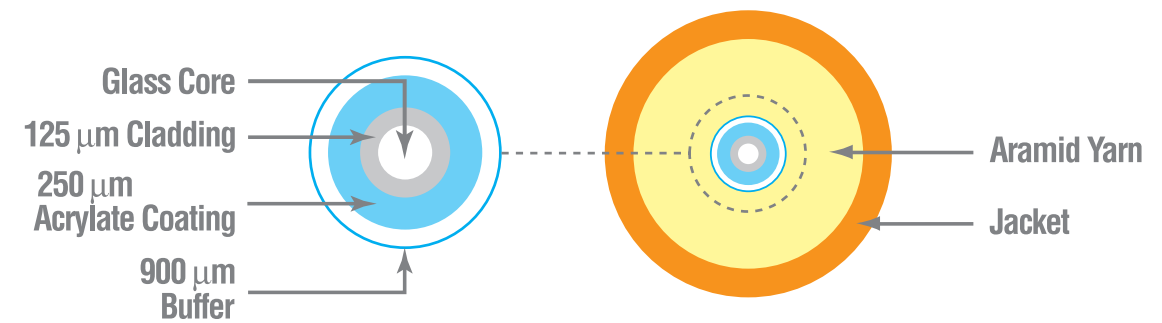
Specifications by Fiber Count

Fibers	Max Install Load Lbs.	Max Install Load Newtons	Operating Max Load Lbs	Operating Max Load Newtons	Cable Weight lbs/kft	Cable Weight Kg/Km
1	96	96	29	128	7.3	7.3
1	64	64	19	85	5.4	5.4
1	50	50	15	67	4.8	4.8
1	50	50	15	67	2.7	2.7
2	96	96	29	128	6.4	6.4
2	128	128	38	171	17.1	17.1
zip	96	96	29	128	8.5	8.5
zip	128	128	38	171	15.2	15.2

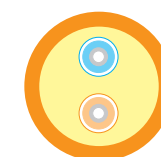
MECHANICAL SPECS

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

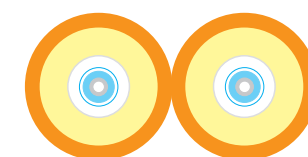
ASSEMBLY DETAIL



1-fiber Interconnect



2-fiber Interconnect



2-fiber Zip Cord

Diagram scale approx. 5:1



Photo is for representation purposes only.

