

Indoor Tight Buffered Interconnect - Plenum

Multimode & Single Mode 1-fiber, 2-fiber and zip
(UL) OFNP c(UL) OFNP FT6

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**
0° to 60°C
(32° to 140°F)
- **Operation Temperature**
0° to 70°C
(32° to 158°F)

DIELECTRIC MATERIALS

- **Plenum**
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	60042-1	60022-1	60472-1	61851-1	62734-1	60044-1
1	0.094" / 2.4mm	60430-1	60468-1	60473-1	61852-1	62735-1	60490-1
1	0.079" / 2.0mm	60431-1	60469-1	60474-1	61853-1	62736-1	60491-1
1	0.063" / 1.6mm	60432-1	60470-1	60475-1	61854-1	62737-1	60492-1
2	0.114" / 2.9mm	60042-2	60022-2	60472-2	61851-2	62734-2	60044-2
2	0.190" / 4.8mm	60024-2	60026-2	60471-2	61855-2	62738-2	60031-2
zip	.063" x .038" / 1.6mm x 3.5mm	62956-2	60316-2	62950-2	62951-2	62953-2	62954-2
zip	.079" x .170" / 2.0mm x 4.3mm	61379-2	61444-2	61457-2	61986-2	62739-2	61378-2
zip	.113" x .235" / 2.9mm x 6.0mm	60023-2	60008-2	60502-2	61857-2	62740-2	60030-2

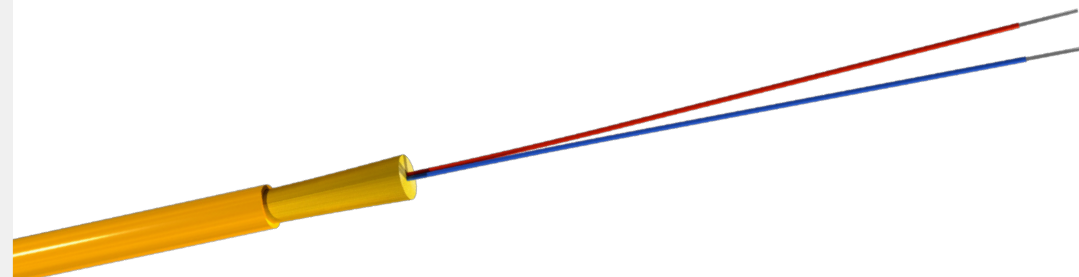
Standard Jacket Colors



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

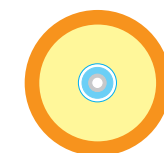
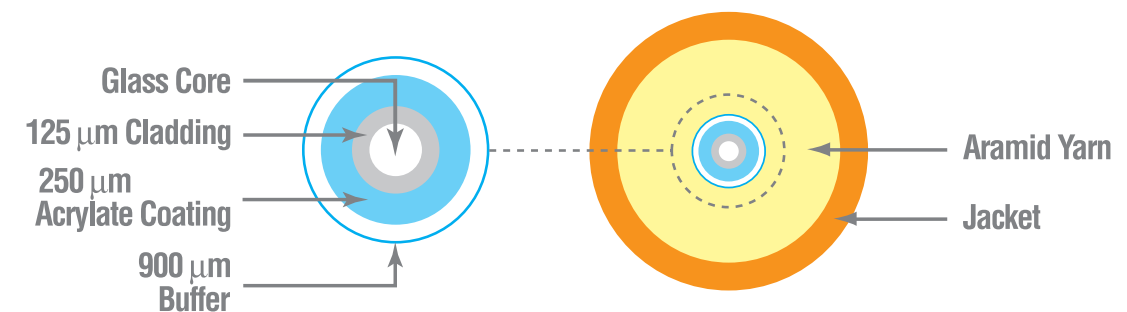
Fibers	Max Install Load Lbs.	Max Install Load Newtons	Operating Max Load Lbs.	Operating Max Load Newtons	Cable Weight lbs/kft	Cable Weight Kg/Km
1	96	427	29	128	5.6	8.3
1	64	285	19	85	4.7	6.9
1	50	223	15	67	3.6	5.3
1	50	223	15	67	2.0	2.9
2	96	427	29	128	6.4	9.5
2	128	569	38	171	13.1	19.4
zip	50	223	15	67	2.67	3.97
zip	96	427	48	213	6.27	9.3
zip	128	569	64	284	13.2	19.6

MECHANICAL SPECS

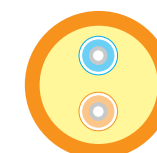
- Bend radius, no load
= 10x cable overall diameter
- Bend radius, load
= 15x cable overall diameter

ASSEMBLY DETAIL

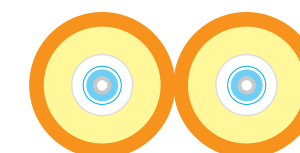
*These cable designs utilize color-coded binders to separate subunits
DJ = Dual jacket design



1-fiber Interconnect



2-fiber Interconnect



2-fiber Zip Cord

Diagram scale approx. 5:1



Photo is for representation purposes only.

