

Indoor Armored Tight Buffered Plenum

Multimode and Single Mode - 2 through 72 fiber
(UL) OFCP c(UL) OFCP FT6

FEATURES & BENEFITS

- REACH & RoHS 2 compliant
- Made in U.S.A.
- All multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers
- 900 um 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

- 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

- **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
2	0.520" / 13.21mm	60405-2	61319-2	61337-2	61897-2	62813-2	61433-2
4	0.520" / 13.21mm	60405-4	61319-4	61337-4	61897-4	62813-4	61433-4
6	0.520" / 13.21mm	60405-6	61319-6	61337-6	61897-6	62813-6	61433-6
8	0.520" / 13.21mm	60405-8	61319-8	61337-8	61897-8	62813-8	61433-8
10	0.520" / 13.21mm	60405-10	61319-10	61337-10	61897-10	62813-10	61433-10
12	0.520" / 13.21mm	60405-12	61319-12	61337-12	61897-12	62813-12	61433-12
24	0.643" / 16.33mm	60405-24	61319-24	61337-24	61897-24	62813-24	61433-24
48	0.964" / 24.49mm	62183-48	62184-48	62185-48	62186-48	62814-48	62187-48
72	1.099" / 27.91mm	62183-72	62184-72	62185-72	62186-72	62814-72	62187-72

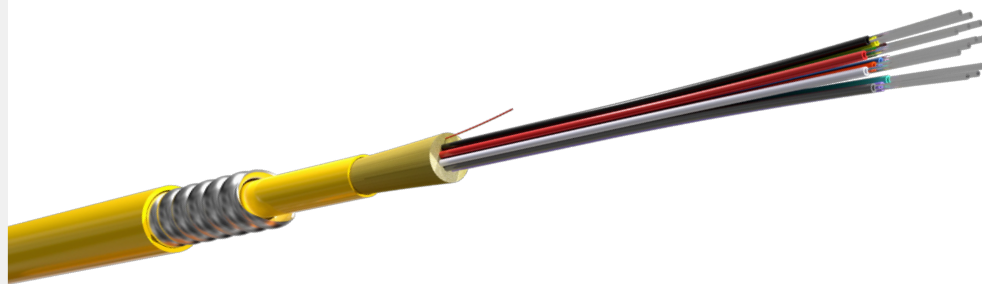
Standard Jacket Colors



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	Install Max Load Pounds	Install Max Load Newtons	Operating Max Load Pounds	Operating Max Load Newtons	Cable Weight lbs/kft	Cable Weight Kg/Km
2	128	570	38	171	93.5	139.1
4	128	570	38	171	94.8	141.1
6	128	570	38	171	96.2	143.1
8	160	712	48	214	100.5	149.6
10	160	712	48	214	101.9	151.6
12	160	712	48	214	103.3	153.7
24	288	1282	86	385	158.1	235.3
48	640	2849	192	855	305.7	454.9
72	960	4273	288	1282	453.8	675.3

MECHANICAL SPECS

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

ASSEMBLY DETAIL

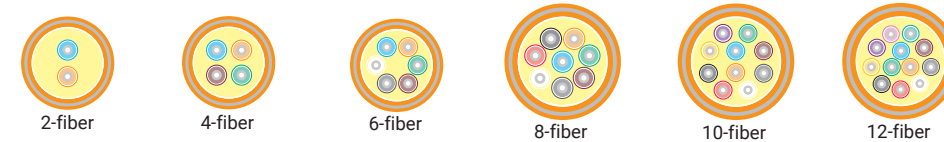
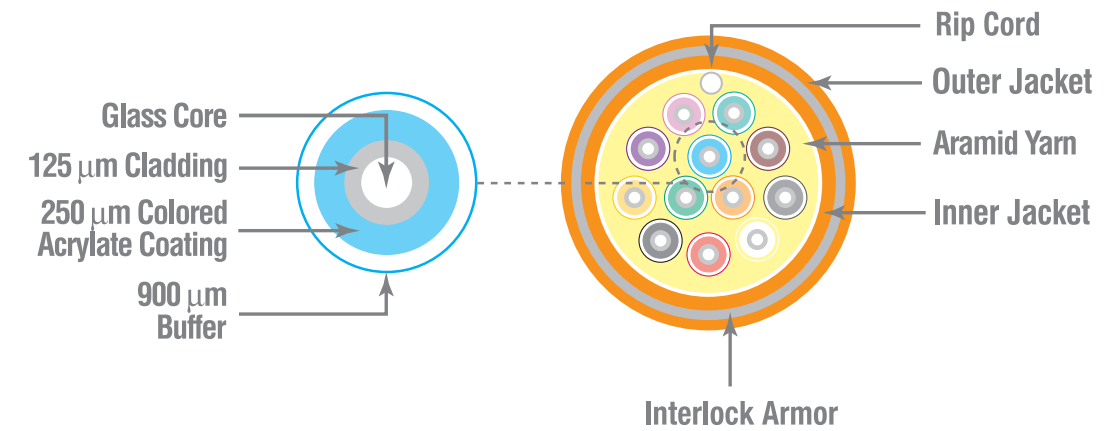
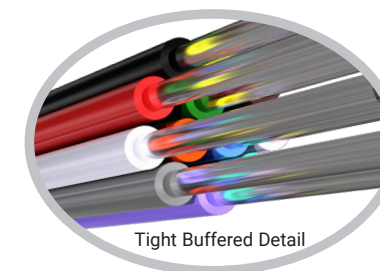


Diagram scale approx. 2:1



Tight Buffered Detail



Photo is for representation purposes only.

