

## Indoor Armored Tight Buffered Plenum

Multimode and Single Mode - 6 through 48 fiber  
(UL) OFCP c(UL) OFCP FT6

### FEATURES & BENEFITS

- RoHS 3 compliant
- Made in U.S.A.
- All multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers
- 900  $\mu$ m 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
    - Aqua: OM3 & OM4
- Note: Erika Violet for OM4 is available.

### APPLICATIONS

- Applications include 10, 40 & 100 gigabit Ethernet, Fiber Channel, Video, Security, Automation

### 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 $\mu$ M OM1	50 $\mu$ M OM3	50 $\mu$ M OM4	8.3 $\mu$ M OS2
6	0.520" / 13.21mm	60405-6	61337-6	61897-6	61433-6
12	0.520" / 13.21mm	60405-12	61337-12	61897-12	61433-12
24	0.643" / 16.33mm	60405-24	61337-24	61897-24	61433-24
48	0.964" / 24.49mm	62183-48	62185-48	62186-48	62187-48

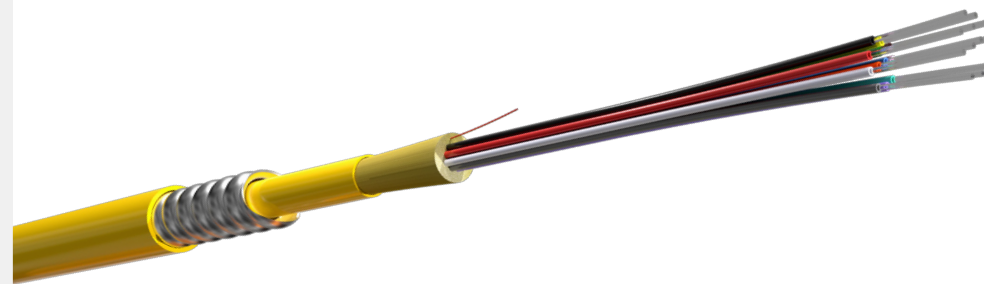
### Standard Jacket Colors



### 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
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
6	128	570	38	171	96.2	143.1
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

### MECHANICAL SPECS

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

### ASSEMBLY DETAIL

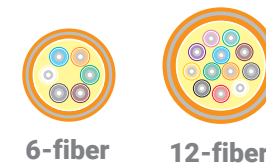
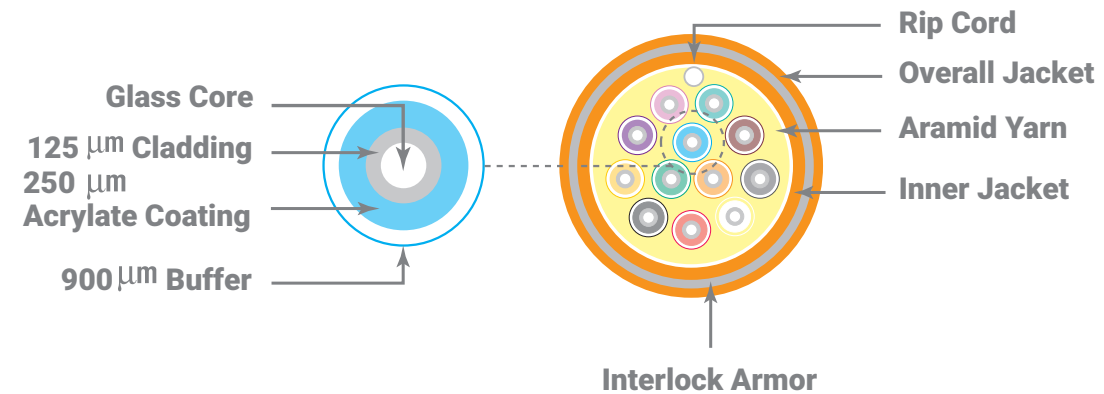
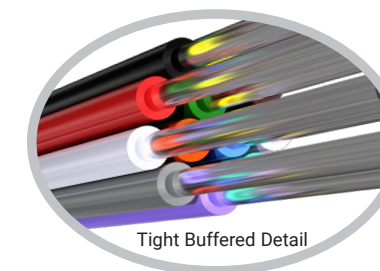


Diagram scale approx. 2:1



Tight Buffered Detail

Photo is for representation purposes only.



Fiber

