

## Indoor / Outdoor Armored Tight Buffered Plenum

Multimode and Single Mode - 6 through 24 fibers  
(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
- Eliminates need for innerduct or conduit
- Aluminum interlock armor standard
- Each fiber is color coded for easy identification
- Ideal cable solution for campus environments
- Flexible and easy to handle
- UV and fungus resistant jacket
- Dry, super absorbent polymers (SAPs) eliminate water migration in cable interstices
- Suitable for lashed aerial, duct, underground conduit and indoor plenum applications
- 900um buffered design recommended for easy termination

### OPTIONS

- Standard color configuration is a black outer jacket with a black inner jacket.
- Enhanced bend insensitive OS2 optical fiber is available (ITU-T G.657.B3 & G.657.A2)

### 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**  
-40° to 70°C  
(-40° to 158°F)

### DIELECTRIC MATERIALS

- **Plenum**  
Overall Jacket: Low smoke, Flame retardant thermoplastic

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Fibers	Cable O.D. inches / mm	62.5 UM OM1	50 UM OM3	50 UM OM4	8.3 UM OS2
6	0.48" / 12.192mm	61580-6	61578-6	62068-6	61579-6
12	0.52" / 13.208mm	61580-12	61578-12	62068-12	61579-12
24	0.64" / 16.26mm	61580-24	61578-24	62068-24	61579-24

### 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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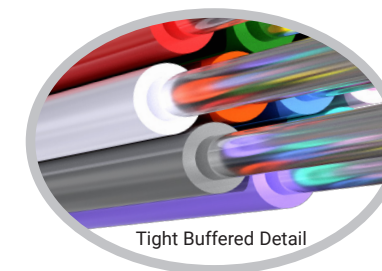
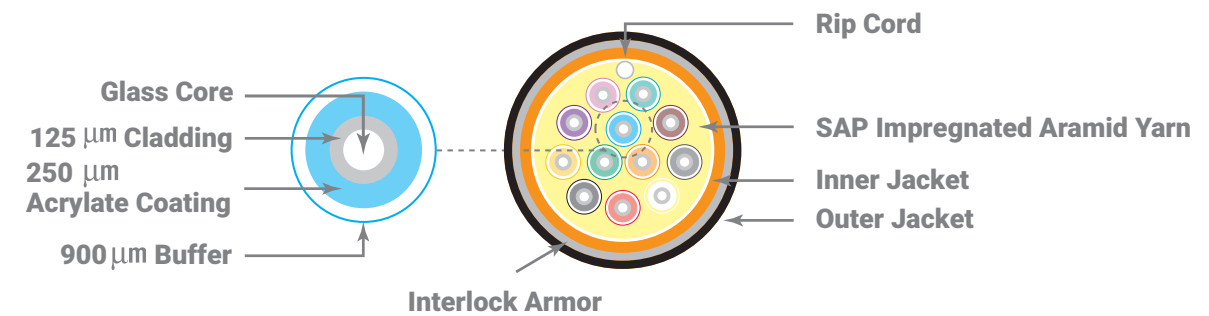
### Specifications by Fiber Count

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	300	1335	100	445	103.0	153.3
12	300	1335	100	445	111.8	166.4
24	300	1335	100	445	164.1	244.2

### MECHANICAL SPECS

- Bend radius, no load  
= 15x cable overall diameter
- Bend radius, load  
= 20x cable overall diameter

### ASSEMBLY DETAIL



12-fiber

Diagram scale approx. 2:1



Photo is for representation purposes only.

