

## Indoor Tight Buffered Single-Unit Plenum

Multimode & Single Mode - 4 through 24 fibers  
(UL) OFNP c(UL) OFNP FT6

### FEATURES & BENEFITS

- 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
- 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

- **Plenum**  
Overall Jacket: 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
4	0.190" / 4.8mm	60517-4	60522-4	61868-4	60029-4
6	0.190" / 4.8mm	60517-6	60522-6	61868-6	60029-6
12	0.230" / 5.8mm	60517-12	60522-12	61868-12	60029-12
24	0.330" / 8.4mm	60517-24	60522-24	61868-24	60029-24

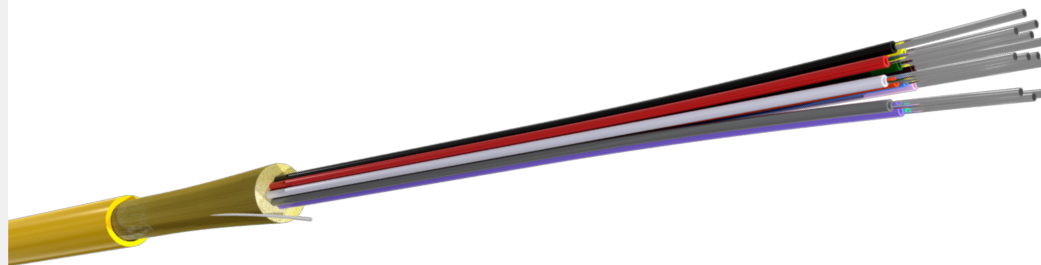
#### Standard Jacket Colors



### 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
	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
4	128	569	38	171	14.5	21.6
6	128	569	38	171	15.7	23.4
12	160	712	48	214	23.0	34.3
24	288	1282	86	385	50.3	74.9

### MECHANICAL SPECS

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

### ASSEMBLY DETAIL

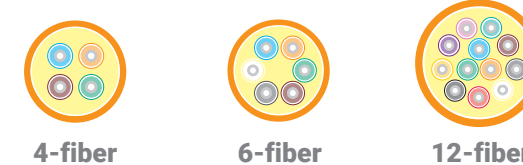
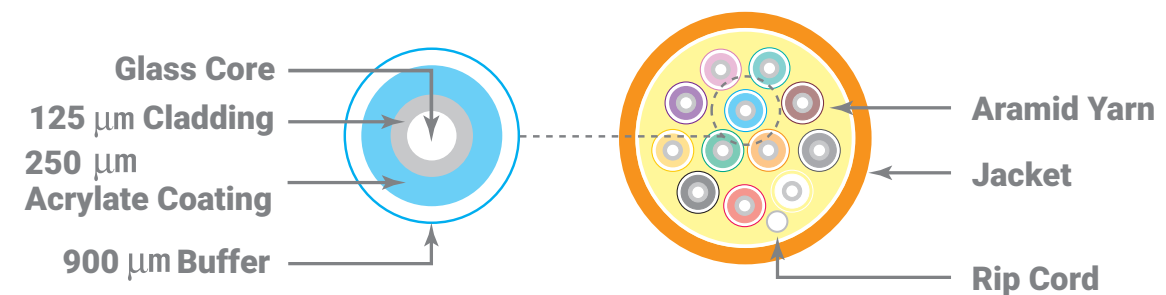


Diagram scale approx. 2:1



Photo is for representation purposes only.

