



### FEATURES & BENEFITS

- REACH & RoHS 2 compliant
- Made in U.S.A.
- All multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers
- Small, lightweight construction suitable for installations where space is at a premium
- Ideal for MPO (MTP®) style connectors
- Each fiber is color coded for easy identification
- Flexible and easy to handle



### OPTIONS

- 8 fibers per tube available upto 96 & 16 fibers per tube up to 144
- 16 Fiber colors are available
- Enhanced bend insensitive OS2 optical fiber is available (ITU-TG.657.B3 & G.657.A2)
- OM4+ available



### APPLICATIONS

- Ideal for high-density installations like data centers, central offices and overall premise applications where current or future data rates include 40 and 100 gigabits per second
- OM5 supports applications utilizing Short Wave Division Multiplexing (SWDM)



### STANDARDS

- ANSI/TIA-568.3-D
- ISO/IEC 11801, 2nd edition
- Telcordia GR-409-CORE
- OS2 glass is compliant to ITU-T G.657.A1



### TEMPERATURE RANGE

- **Storage Temperature**  
-40°C to 70°C  
(-40°F to 158°F)
- **Installation Temperature**  
0°C to 60°C  
(32°F to 140°F)
- **Operation Temperature**  
0°C to 70°C  
(32°F to 158°F)

### DIELECTRIC MATERIALS

- **PLENUM**  
Overall Jacket: Flame-retardant Thermoplastic

### NanoCore Multi-Unit Micro Distribution (Plenum)

Fibers	Fibers Per Tube	Tube O.D. inches / mm	62.5 UM OM1	50 UM OM2	50 UM OM3	50 UM OM4	50 UM OM5	8.3 UM OS2
24	12	0.079" / 2.0mm	62220-24	62214-24	62216-24	62218-24	62668-24	62205-24
24	12	0.118" / 3.0mm	62593-24	62594-24	62595-24	62596-24	62650-24	62598-24
36	12	0.079" / 2.0mm	62220-36	62214-36	62216-36	62218-36	62668-36	62205-36
36	12	0.118" / 3.0mm	62593-36	62594-36	62595-36	62596-36	62650-36	62598-36
48	12	0.079" / 2.0mm	62220-48	62214-48	62216-48	62218-48	62668-48	62205-48
48	12	0.118" / 3.0mm	62593-48	62594-48	62595-48	62596-48	62650-48	62598-48
72	12	0.079" / 2.0mm	62220-72	62214-72	62216-72	62218-72	62668-72	62205-72
72	12	0.118" / 3.0mm	62593-72	62594-72	62595-72	62596-72	62650-72	62598-72
96	12	0.079" / 2.0mm	62220-96	62214-96	62216-96	62218-96	62668-96	62205-96
96	12	0.118" / 3.0mm	62593-96	62594-96	62595-96	62596-96	62650-96	62598-96
144	12	0.079" / 2.0mm	62220-144	62214-144	62216-144	62218-144	62668-144	62205-144
144	12	0.118" / 3.0mm	62593-144	62594-144	62595-144	62596-144	62650-144	62598-144
192*	24	0.118" / 3.0mm	62544-192	62545-192	62546-192	62547-192	62941-192	62549-198
288*	24	0.118" / 3.0mm	62544-288	62545-288	62546-288	62547-288	62941-188	62549-288

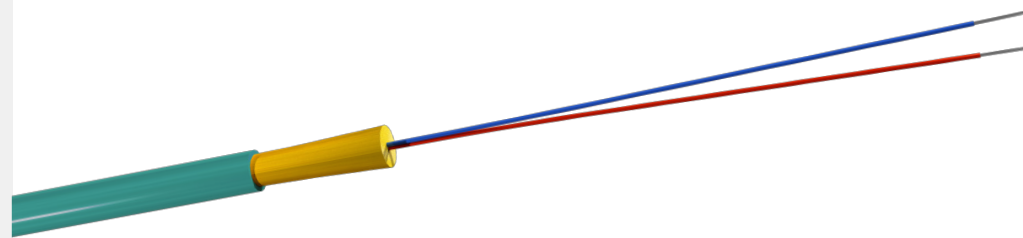
### Standard Jacket Colors



### 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.



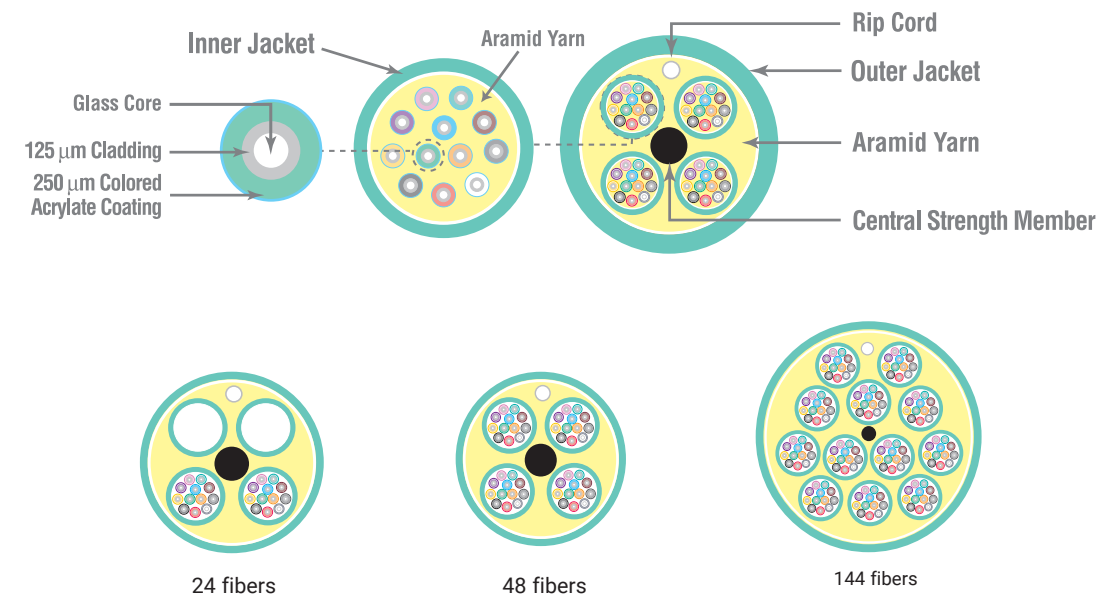
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### Specifications by Fiber Count

Fibers	Tube Layout	Cable O.D. inches / mm	Install Max Load Pounds	Install Max Load Newtons	Operating Max Load Pounds	Operating Max Load Newtons	Cable Weight lbs/kft	Cable Weight Kg/Km
24	2+2FxCSM	0.296" / 7.5mm	150	668	45	200	36.4	54.2
24	2+2FxCSM	0.357" / 9.1mm	150	668	45	200	43.45	64.7
36	3+1FxCSM	0.296" / 7.5mm	150	668	45	200	37.4	55.7
36	3+1FxCSM	0.357" / 9.1mm	150	668	45	200	43.98	65.5
48	4xCMSM	0.296" / 7.5mm	150	668	45	200	38.3	57.0
48	4xCMSM	0.357" / 9.1mm	150	668	45	200	44.51	66.3
72	6xCMSM	0.355" / 9.0mm	150	668	45	200	48.3	71.9
72	6xCMSM	0.411" / 10.4mm	150	668	45	200	63.61	94.7
96	8xCMSM	0.433" / 11mm	150	668	45	200	83.8	124.7
96	8xCMSM	0.482" / 12.2mm	150	668	45	200	89.95	133.9
144	9x3xCMSM	0.458" / 11.6mm	150	668	45	200	88.9	132.3
144	9x3xCMSM	0.568" / 14.4mm	150	668	45	200	95.26	141.8
192*	8+4FxCSM	0.624" / 15.8mm	150	668	45	200	157.36	234.18
288*	9x3xCMSM	0.624" / 15.8mm	150	668	45	200	157.36	234.18

\*These cable designs utilize color-coded binders to separate subunits  
CSM = Central Strength Member  
F = Filler



### MECHANICAL SPECS

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



Photo is for representation purposes only.

