



### PRODUCT HIGHLIGHTS

- RoHS 3 compliant
- Made in U.S.A.
- All multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers
- Eliminates need for inner duct or conduit
- Ideal for MPO (MTP®) style connectors
- Aluminum interlock armor
- Each fiber is color coded for easy identification
- Flexible and easy to handle



### OPTIONS

- 8 fibers per tube available for cables up to 96 strands
- 16 fibers per tube and 24 fibers per tube up to 144 fiber
- OS2 optical fibers with enhanced bend insensitive performance are available.
- OM4+ and OM5 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



### 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

- Overall Jacket: Flame-retardant Thermoplastic

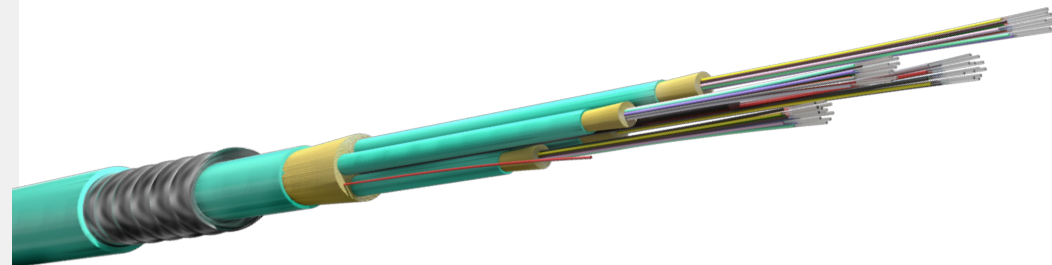
NanoCore Armored Multi-Unit Micro Distribution (Plenum)					
Fibers	Fibers Per Tube	Tube O.D. inches / mm	50 µm OM3	50 µm OM4	8.3 µm OS2
12	12	0.079" / 2.0mm	62251-12	62257-12	62255-12
24	12	0.079" / 2.0mm	62251-24	62257-24	62255-24
48	12	0.079" / 2.0mm	62251-48	62257-48	62255-48
72	12	0.079" / 2.0mm	62251-72	62257-72	62255-72
96	12	0.079" / 2.0mm	62251-96	62257-96	62255-96
144	12	0.079" / 2.0mm	62251-144	62257-144	62255-144

#### 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.



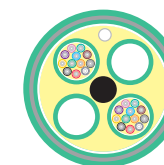
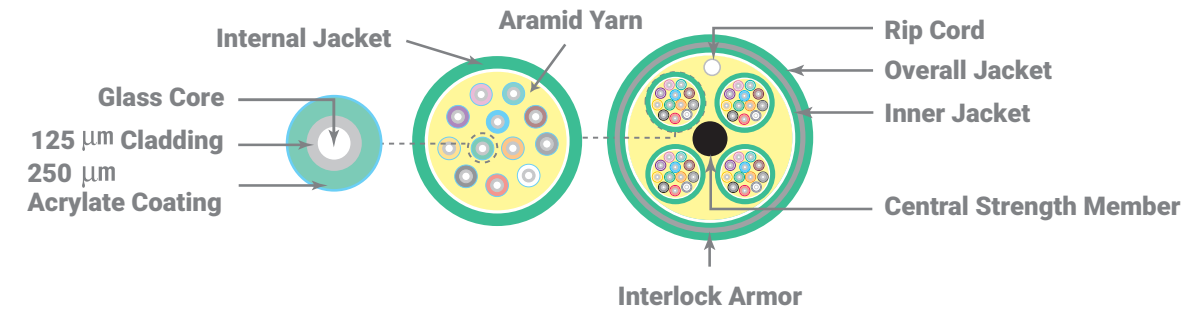
Proterial Cable America, Inc. is continuously improving the performance of our products and the accuracy of the information provided. Due to this, we reserve the right to modify, revise, correct, or change products without notice. Thank you for your understanding.



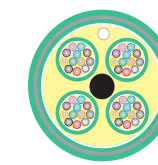
### Specifications by Fiber Count

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/Rm
12	2+2FxCSM	0.583" / 14.8mm	150	668	45	200	131.0	195.0
24	2+2FxCSM	0.583" / 14.8mm	150	668	45	200	132.0	197.5
48	4xCSM	0.583" / 14.8mm	150	668	45	200	133.0	197.9
72	6xCSM	0.647" / 16.4mm	150	668	45	200	154.0	229.2
96	8xCSM	0.675" / 17.1mm	150	668	45	200	183.0	272.3
144	9x3xCSM	0.723" / 18.4mm	150	668	45	200	194.0	288.7

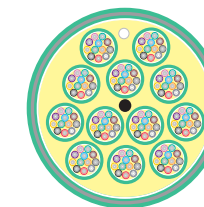
CSM = Central Strength Member  
F = Filler



24 fibers



48 fibers



144 fibers

### MECHANICAL SPECS

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



Photo is for representation purposes only.

