

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.
- OFNR rating provided by UL
- Additional IEC test 60332-3-24 performed by PCA to ensure performance to industry standards

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
- For additional applications, visit the PCA website
- 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**
-10°C to 60°C
(*14F to 140°F)
- **Operation Temperature**
-20°C to 70°C
(32°F to 158°F)

DIELECTRIC MATERIALS

- **LSZH/RISER**
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	0.078" / 2.0mm	62337-24	62323-24	62295-24	62296-24	62754-24	62294-24
36	12	0.078" / 2.0mm	62337-36	62323-36	62295-36	62296-36	62754-36	62294-36
48	12	0.078" / 2.0mm	62337-48	62323-48	62295-48	62296-48	62754-48	62294-48
72	12	0.078" / 2.0mm	62337-72	62323-72	62295-72	62296-72	62754-72	62294-72
96	12	0.078" / 2.0mm	62337-96	62323-96	62295-96	62296-96	62754-96	62294-96
144	12	0.078" / 2.0mm	62337-144	62323-144	62295-144	62296-144	62754-144	62294-144

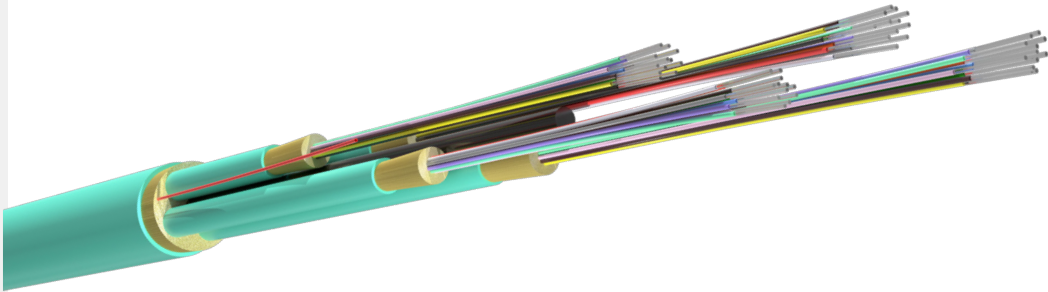
Standard Jacket Colors



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)		850nm (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	2.8	1.0	700	500	950	N/A	750	550	150	N/A
OM3	2.8	1.0	1500	500	2000	N/A	1000	550	300	N/A
OM4	2.8	1.0	3500	500	4700	N/A	1100	550	550	N/A
OM5*	2.8	1.0	3500	500	4700	N/A	1100	550	550	N/A
							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.
TIA-568.3-D | ISO/IEC 11801, 2nd edition | Telcordia GR-409-CORE



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/Km
24	2+2FxCSM	0.315" / 8mm	300	1335	90	401	36.8	54.8
36	3+1FxCSM	0.315" / 8mm	300	1335	90	401	37.4	55.7
48	4xCSCM	0.315" / 8mm	300	1335	90	401	38.0	56.6
72	6xCSCM	0.346" / 8.8mm	300	1335	90	401	47.5	70.7
96	8xCSCM	0.388" / 9.9mm	300	1335	90	401	65.1	96.9
144	9x3xCSCM	0.440" / 11.2mm	300	1335	90	401	64.6	96.1

CSM = Central Strength Member
F = Filler

MECHANICAL SPECS

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

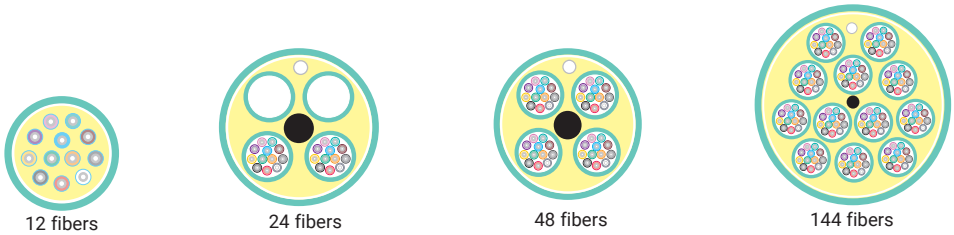
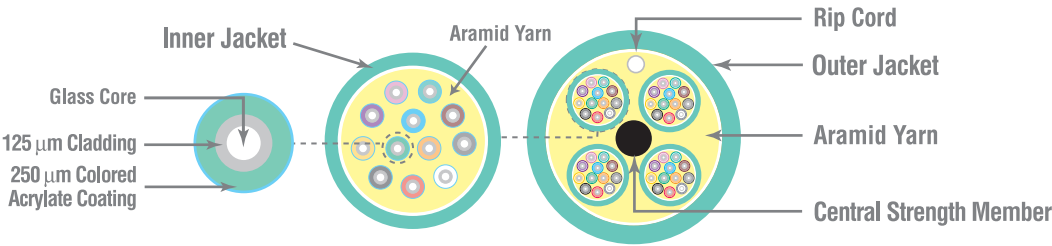


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