



FEATURES & BENEFITS

- REACH & RoHS 2 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
- Low Smoke Zero Halogen and Riser rating delivers improved environmental characteristics



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+ optical fibers with extended 10 gigabit Ethernet distances are available
- Enhanced bend insensitive OS2 optical fiber is available (ITU-TG.657.B3)



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

- **LSZH/Riser**
Overall Jacket: Flame-retardant Thermoplastic

NanoCore Armored 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
12	12	0.079" / 2.0mm	62285-12	62286-12	62251-212	62257-12	62756-12	62255-12
12	12	0.118" / 3.0mm	62632-12	62633-12	62634-12	62635-12	62637-12	62638-12
24	12	0.079" / 2.0mm	62285-24	62286-24	62251-24	62257-24	62756-24	62255-24
24	12	0.118" / 3.0mm	62632-24	62633-24	62634-24	62635-24	62637-24	62638-24
36	12	0.079" / 2.0mm	62285-36	62286-36	62251-36	62257-36	62756-36	62255-36
36	12	0.118" / 3.0mm	62632-36	62633-36	62634-36	62635-36	62637-36	62638-36
48	12	0.079" / 2.0mm	62285-48	62286-48	62251-48	62257-48	62756-48	62255-48
48	12	0.118" / 3.0mm	62632-48	62633-48	62634-48	62635-48	62637-48	62638-48
72	12	0.079" / 2.0mm	62285-72	62286-72	62251-72	62257-72	62756-72	62255-72
72	12	0.118" / 3.0mm	62632-72	62633-72	62634-72	62635-72	62637-72	62638-72
96	12	0.079" / 2.0mm	62285-96	62286-96	62251-96	62257-96	62756-96	62255-96
96	12	0.118" / 3.0mm	62632-96	62633-96	62634-96	62635-96	62637-96	62638-96
144	12	0.079" / 2.0mm	62285-144	62286-144	62251-144	62257-144	62756-144	62255-144
144	12	0.118" / 3.0mm	62632-144	62633-144	62634-144	62635-144	62637-144	62638-144

Note: Part number rows in upper table directly correspond to cable characteristic rows in the same location of the lower table.

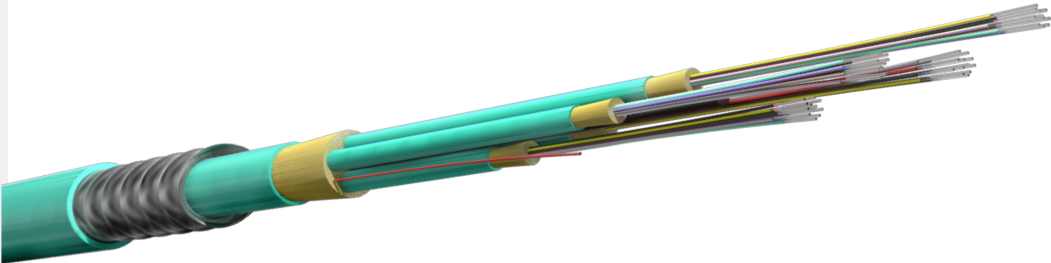
Standard Jacket Colors



Optical Specifications TIA-568.3-D | ISO/IEC 11801, 2nd edition | Telcordia GR-409-CORE

	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.



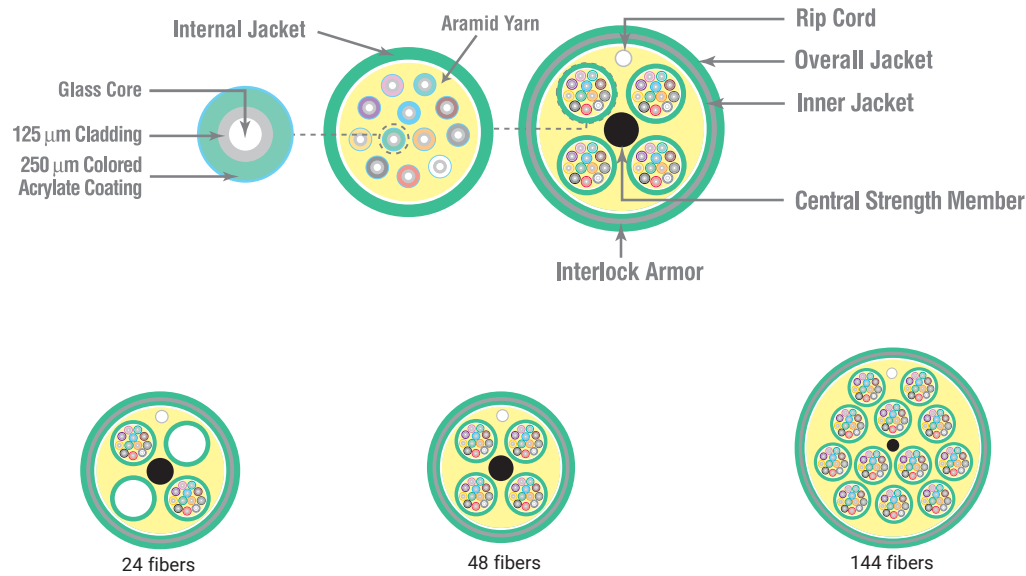
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Specifications by Fiber Count

Fibers	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
12	2+2FxCSM	0.583" / 14.8mm	150	668	45	200	131.0	195.0
12	2+2FxCSM	0.687" / 17.4mm	150	668	45	200	153.4	228.3
24	2+2FxCSM	0.583" / 14.8mm	150	668	45	200	132.0	197.5
24	2+2FxCSM	0.687" / 17.4mm	150	668	45	200	153.4	228.3
36	3+1FxCSM	0.583" / 14.8mm	150	668	45	200	132.0	196.4
36	3+1FxCSM	0.687" / 17.4mm	150	668	45	200	153.9	229.1
48	4xCSCM	0.583" / 14.8mm	150	668	45	200	133.0	197.9
48	4xCSCM	0.687" / 17.4mm	150	668	45	200	154.4	229.8
72	6xCSCM	0.647" / 16.4mm	150	668	45	200	154.0	229.2
72	6xCSCM	0.742" / 18.8mm	150	668	45	200	185.4	276.0
96	8xCSCM	0.675" / 17.1mm	150	668	45	200	183.0	272.3
96	8xCSCM	0.847" / 21.5mm	150	668	45	200	228.9	340.7
144	9x3xCSCM	0.723" / 18.4mm	150	668	45	200	194.0	288.7
144	9x3xCSCM	0.742" / 18.8mm	150	668	45	200	246.9	367.5

CSM = Central Strength Member
F = Filler



MECHANICAL SPECS

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

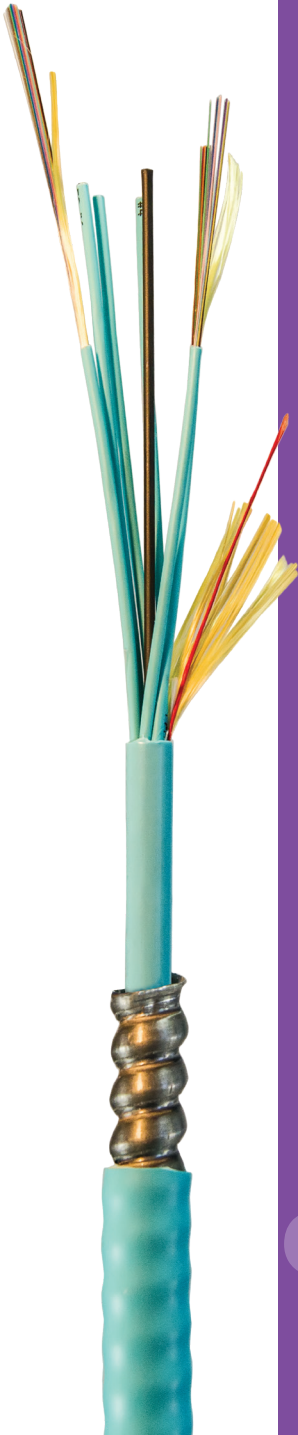


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