

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

MECHANICAL SPECS

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

NanoCore® Armored

Indoor Loose Tube - 24 through 144 fibers

(UL) OFCP c(UL) OFCP FT6

NanoCore Armored Multi-Unit Micro Distribution (LSZH/Riser)

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	62353-12	62354-12	62355-12	62356-12	62821-12	62352-12
24	12	0.079" / 2.0mm	62353-24	62354-24	62355-24	62356-24	62821-24	62352-24
36	12	0.079" / 2.0mm	62353-36	62354-36	62355-36	62356-36	62821-36	62352-36
48	12	0.079" / 2.0mm	62353-48	62354-48	62355-48	62356-48	62821-48	62352-48
72	12	0.079" / 2.0mm	62353-72	62354-72	62355-72	62356-72	62821-72	62352-72
96	12	0.079" / 2.0mm	62353-96	62354-96	62355-96	62356-96	62821-96	62352-96
144	12	0.079" / 2.0mm	62353-144	62354-144	62355-144	62356-144	62821-144	62352-144

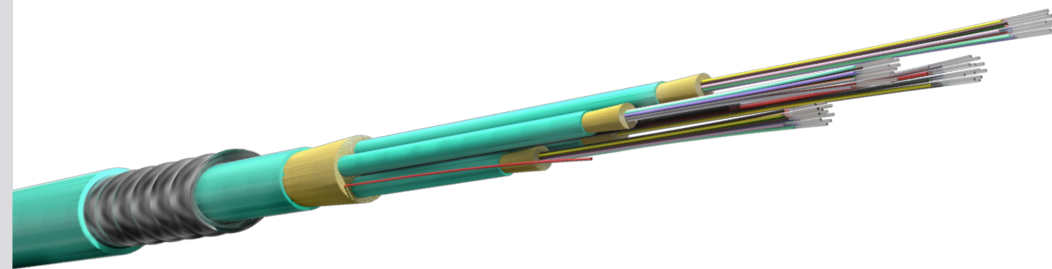
Standard Jacket Colors



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	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
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



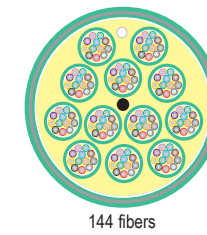
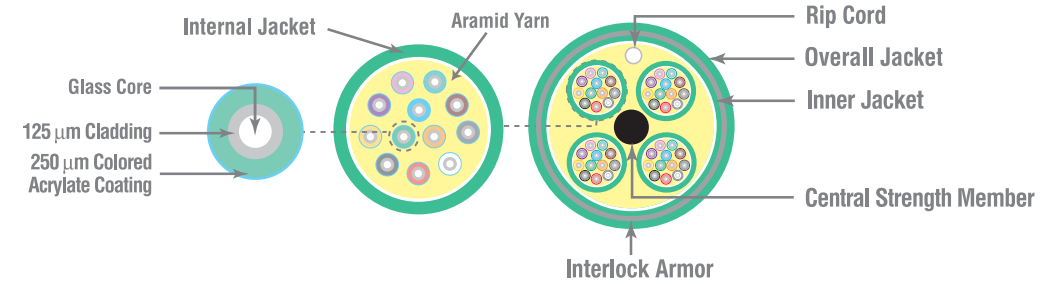
Micro Distribution

Multimode and Singlemode

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	1T+3FxCSM	0.635" / 16.1mm	300	1335	90	401	142.5	212.1
24	2T+2FxCSM	0.635" / 16.1mm	300	1335	90	401	142.5	212.1
36	3T+1FxCSM	0.635" / 16.1mm	300	1335	90	401	143.1	213.0
48	4xCSM	0.635" / 16.1mm	300	1335	90	401	143.7	213.9
72	6xCSM	0.675" / 17.1mm	300	1335	90	401	161.3	240.2
96	8xCSM	0.715" / 18.2mm	300	1335	90	401	187.1	278.5
144	9x3xCSM	0.780" / 19.8mm	300	1335	90	401	199.9	297.6

CSM = Central Strength Member
F = Filler



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