

- FEATURES & BENEFITS
- REACH & RoHS 2 compliant
 - Made in U.S.A.
 - All multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers
 - 250 micron loose tube design allows for higher fiber strand counts in a smaller overall diameter cable
 - Ideal for MPO (MTP®) style connectors
 - Each fiber is color coded for easy identification
 - Flexible and easy to handle
 - Lightweight, flexible Aramid yarns enhance strength
 - Now available with a smaller outside diameter
 - When necessary, color-coded binders separate fiber strands into bundles of 12

- OPTIONS
- Enhanced bend insensitive OS2 optical fiber available (ITU-T G.657.B3 & G.657.A2)
 - 16 Fiber colors available
 - Colored threads are used to bundle fibers
 - OM4+ available

- APPLICATIONS
- 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 Interconnect (Single Jacket) Micro Distribution (Plenum)								
Fibers	Fibers / Fundle / Tube	Cable O.D. inches / mm	62.5 UM OM1	50 UM OM2	50 UM OM3	50 UM OM4	50 UM OM5	8.3 UM OS2
2	-	0.078" / 2.0mm	62241-2	62242-2	62243-2	62244-2	62749-2	62239-2
2	-	0.118" / 3.0mm	61537-2	61506-2	61507-2	61883-2	62750-2	61538-2
4	-	0.078" / 2.0mm	62241-4	62242-4	62243-4	62244-4	62749-4	62239-4
4	-	0.118" / 3.0mm	61537-4	61506-4	61507-4	61883-4	62750-4	61538-4
6	-	0.078" / 2.0mm	62241-6	62242-6	62243-6	62244-6	62749-6	62239-6
6	-	0.118" / 3.0mm	61537-6	61506-6	61507-6	61883-6	62750-6	61538-6
8 DJ	-	0.189" / 4.8mm	62675-8	62676-8	62449-8	62450-8	62678-8	62460-8
12	-	0.078" / 2.0mm	62241-12	62242-12	62243-12	62244-12	62749-12	62239-12
12	-	0.118" / 3.0mm	61537-12	61506-12	61507-12	61883-12	62750-12	61538-12
12	-	0.150" / 3.8mm	62372-12	62373-12	62374-12	62375-12	62751-12	62371-12
12 DJ	-	0.189" / 4.8mm	62675-12	62676-12	62449-12	62450-12	62678-12	62460-12
16	-	0.118" / 3.0mm	62683-16	62684-16	62685-16	62686-16	62688-16	62689-16
16*	8 X 2	0.118" / 3.0mm	62692-16	62693-16	62694-16	62695-16	62697-16	62698-16
16 DJ	-	0.189" / 4.8mm	62675-16	62676-16	62449-16	62450-16	62678-16	62460-16
24*	12 X 2	0.118" / 3.0mm	62241-24	62242-24	62243-24	62244-24	62749-24	62239-24
24*	12 X 2	0.150" / 3.8mm	62372-24	62373-24	62374-24	62375-24	62751-24	62371-24
24*	12 X 2	0.177" / 4.5mm	61537-24	61506-24	61507-24	61883-24	62750-24	61538-24
24 DJ*	12 X 2	0.189" / 4.8mm	62675-24	62676-24	62449-24	62450-24	62678-24	62460-24
32*	8 X 4	0.142" / 3.6mm	62332-32	62333-32	62431-32	62335-32	62712-32	62336-32
32*	16 X 2	0.142" / 3.6mm	62489-32	62490-32	62491-32	62492-32	62715-32	62494-32
12	6	0.118" / 3.0mm 0.255" / 6.47mm	62753-12	61546-12	61539-12	61882-12	62752-12	61547-12
24	12	0.118" / 3.0mm 0.255" / 6.47mm	62753-24	61546-24	61539-24	61882-24	62752-24	61547-24

Standard Jacket Colors

OM1 / OM2

OM3 / OM4

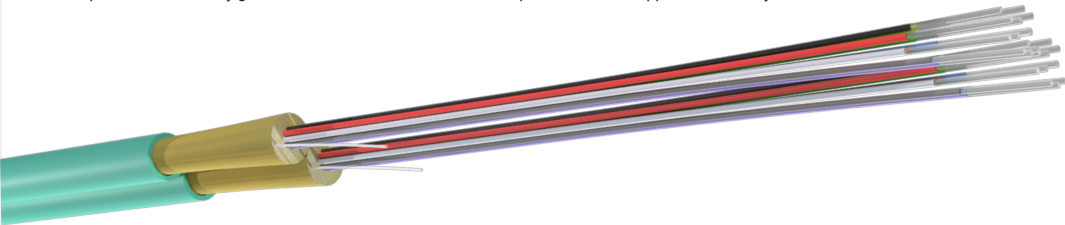
OM5

OS2

OM4

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)

*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	Max Install Load Lbs.	Max Install Load Newtons	Operating Max Load Lbs	Operating Max Load Newtons	Compression N/cm	Impact N-m	Cable Weight lbs/kft	Cable Weight Kg/Km
2	50	222	15	67	35	0.74	2.5	3.7
2	100	445	30	134	100	0.74	5.5	8.2
4	50	222	15	67	35	0.74	2.6	3.8
4	100	445	30	134	100	0.74	5.6	8.3
6	50	222	15	67	35	0.74	2.7	4.0
6	100	445	30	134	100	0.74	5.6	8.3
8 DJ	150	668	45	200	35	2.94	14.3	21.3
12	50	222	15	67	35	0.74	2.9	4.4
12	100	445	30	134	100	0.74	5.9	8.8
12	150	668	45	200	35	2.94	9.1	13.6
12 DJ	150	668	45	200	35	2.94	14.5	21.6
16	150	668	45	200	100	0.74	5.2	7.7
16*	150	668	45	200	100	0.74	5.2	7.7
16 DJ	150	668	45	200	35	2.94	14.7	21.9
24*	150	668	45	200	100	0.74	5.7	8.5
24*	150	668	45	200	35	2.94	9.7	14.5
24*	150	668	45	200	100	2.94	13.1	19.5
24 DJ*	150	668	45	200	35	2.94	15	22.3
32*	150	668	45	200	100	2.94	7.3	10.9
32*	150	668	45	200	100	2.94	7.3	10.9
12	128	569	38	171	100	2.94	11.3	16.8
24	128	569	38	171	128	2.94	11.4	17.0

Notes: Part number rows in upper table directly correspond to cable characteristic rows in the same location of the lower table.
*These cable designs utilize color-coded binders to separate subunits.
DJ: Dual jacket design.

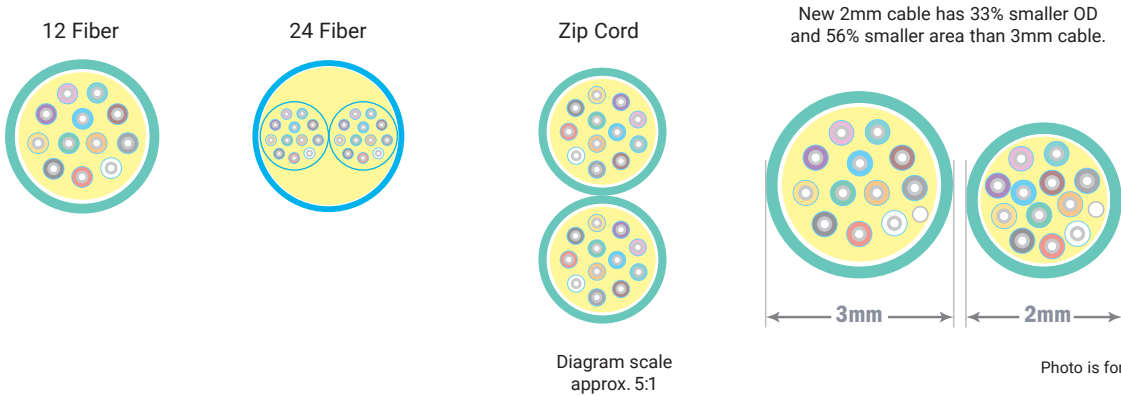
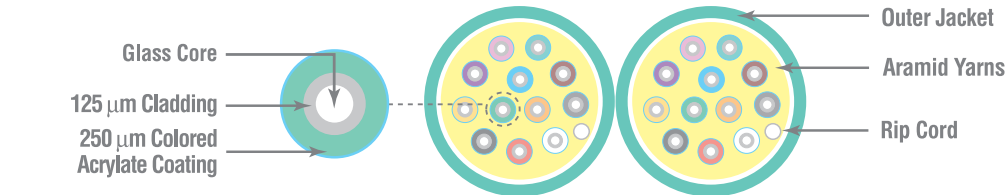


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