A&G TECHNOLOGIES
Connect The Future

INDOOR FIBER CABLE OM4

109-124XX

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Overview

- Category: OM4
- Tight buffer design and LSZH outer jacket, ensuring flexibility, durability, and compliance with industry standards for fire performance

Industry Standard

- IEC60332-3C
- ISO/IEC11801
- TIA-568.2-D
- CENELEC EN 50173
- IEC60794-1

Applications

- Inter-building connectivity
- Backbone premise pathways
- Drop ceiling installations
- Suitable for 10Gbps Ethernet, 550Mgh Broadband Video, SAN, data center, and indoor general-purpose cable distribution.

Ordering Information

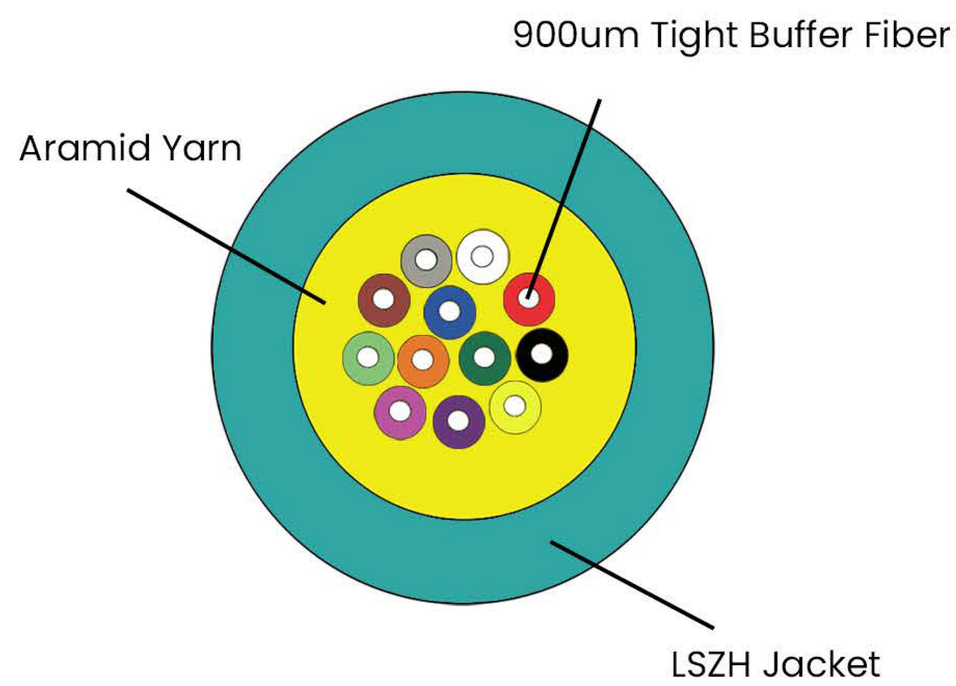
Part Number	Description
109-12406	6C INDOOR FIBER CABLE 50/125 MM OM4 - LSZH
109-12408	8C INDOOR FIBER CABLE 50/125 MM OM4 - LSZH
109-12412	12C INDOOR FIBER CABLE 50/125 MM OM4 - LSZH
109-124XX	16C AND ABOVE AVAILABLE ON REQUEST

General Information

- Fiber Count: 2 to 48
- Tight-buffered Fiber Dimension: 850μm±50μm,
- Tight-buffered Fiber Material: LSZH
- Tight-buffered Fiber Color:

1. Blue
2. Orange
3. Green
4. Brown
5. Grey
6. White
7. Red
8. Black
9. Yellow
10. Purple
11. Pink
12. Aqua

- Strength Member: Aramid Yarn
- Outer Jacket Dimension: 8.5mm±0.3mm,
- Outer Jacket Material: LSZH
- Outer Jacket Color: Violet
- Jacket Properties: Anti-corrosion, Anti-water, Anti-ultraviolet Radiation, Flame retardant,Environmentally harmless, etc.



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PRODUCT TECHNICAL SPECIFICATION I INDOOR FIBER CABLE OM4

Geometric Parameters

- Core Diameter: 50.0±2.5μm
- Cladding Diameter: 125.0±1.0μm
- Cladding Non-Circularity: ≤1.0
- Core-Cladding Concentricity Error: ≤1.0
- Coating Diameter: 245±5μm
- Coating Non-Circularity: ≤6.0
- Cladding-Coating Concentricity Error: ≤12.0

Optical Performance Parameters

- Bandwidth (min) 850nm: 3500 MHz
- Bandwidth (min) 1300nm: 500 MHz
- Attenuation (max.) 850nm: ≤3.0 dB/km
- Attenuation (max.) 1300nm: ≤1.0 dB/km

Mechanical and Environmental Characteristics

Fiber	Buffer	Kg/km	Tension (N) (Long/Short)	Diameter(mm)
2	2	15	200/400	4.00
4	4	18	200/400	4.90
6	6	23	300/600	5.20
8	8	27	300/600	5.50
12	12	36	300/600	6.20
16	16	55	300/600	7.30
24	24	65	300/600	8.50
32	32	70	300/600	9.50
36	36	74	300/600	9.50
48	48	110	400/800	10.50

Items	Unit	Specification
Tension (Long Term)	N	500
Tension (Short Term)	N	1000
Crush (Long Term)	N/10cm	300
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Installation Temperature	°C	-10～+50
Operating Temperature	°C	-20～+60
Storage Temperature	°C	-20～+60

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