



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

- IEC 60332-3C, IEC 60794-1
- ITU-T Rec.G.651.1
- ISO/IEC 11801, EN 50173-1
- IEC 60332-1
- ANSI/TIA-568.3-D, IEC 60793-2-10

Applications

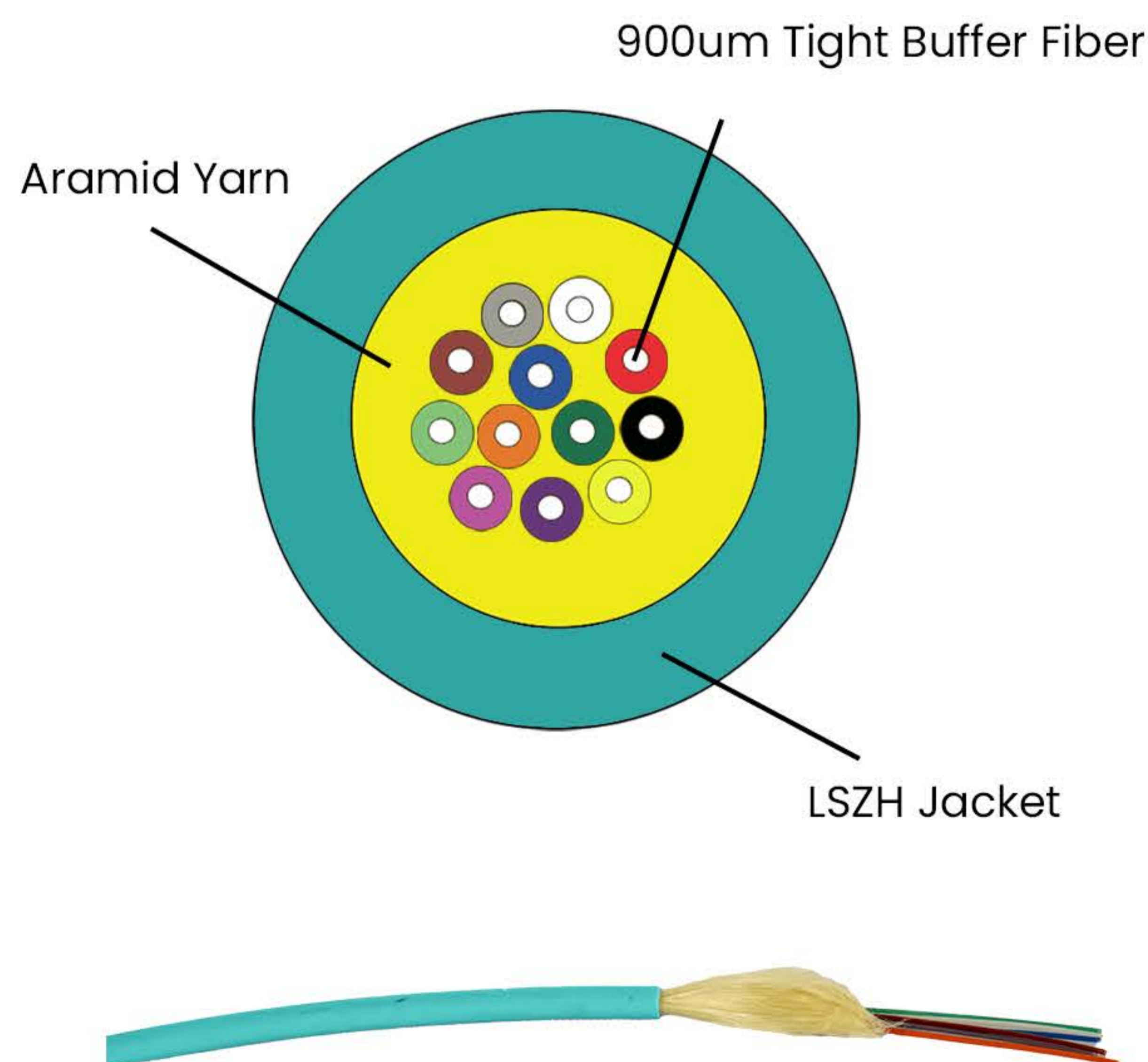
- Inter-building connectivity
- Backbone premise pathways
- Drop ceiling installations
- Suitable for 10Gbps Ethernet, 550Mgh Broadband Video, SAN, data center, and indoor general-purpose cable distribution.

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: $850\mu\text{m}\pm 50\mu\text{m}$,
- 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: $8.5\text{mm}\pm 0.3\text{mm}$,
- Outer Jacket Material: LSZH
- Outer Jacket Color: Aqua
- Jacket Properties: Anti-corrosion, Anti-water, Anti-ultraviolet Radiation, Flame retardant, Environmentally harmless, etc.



PRODUCT TECHNICAL SPECIFICATION | INDOOR FIBER CABLE OM4

Geometric Parameters

- Core Diameter: $50.0 \pm 2.5 \mu\text{m}$
- Cladding Diameter: $125.0 \pm 1.0 \mu\text{m}$
- Cladding Non-Circularity: ≤ 1.0
- Core-Cladding Concentricity Error: ≤ 1.0
- Coating Diameter: $245 \pm 5 \mu\text{m}$
- 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

HEADQUARTERS



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