



# INDOOR FIBER CABLE OM3

109-123XX

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### Overview

- Category: OM3
- Tight buffer design and LSZH outer jacket, ensuring flexibility, durability, and compliance with industry standards for fire performance

### Industry Standard

- ISO/IEC11801
- ANSI/TIA 568-2.D
- CENELEC EN 50173
- IEC60794-1
- IEC60332-3C

### Applications

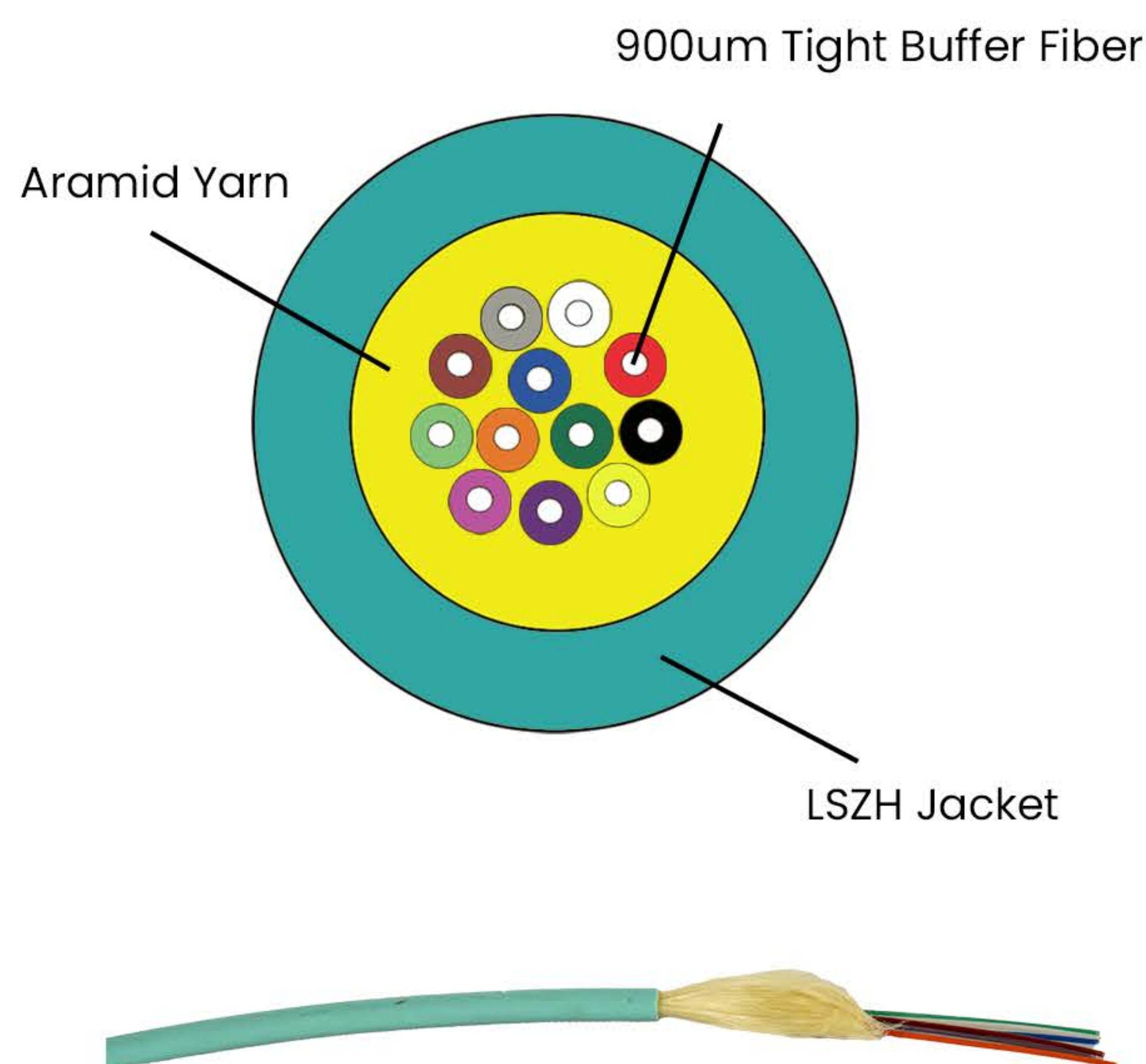
- Inter-building connectivity
- Backbone premise pathways
- Drop ceiling installations
- Suitable for 10Gbps Ethernet, 550Mgh Broadband Video, SAN, data center, and indoor general-purpose cable distribution.

### Ordering Information

Part Number	Description
109-12306	6C INDOOR FIBER CABLE 50/125 MM OM3 - LSZH
109-12308	8C INDOOR FIBER CABLE 50/125 MM OM3 - LSZH
109-12312	12C INDOOR FIBER CABLE 50/125 MM OM3 - LSZH
109-123XX	16C AND ABOVE AVAILABLE ON REQUEST

### General Information

- Fiber Count: 2 to 12
- 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: Aqua
- Jacket Properties: Anti-corrosion, Anti-water, Anti-ultraviolet Radiation, Flame retardant, Environmentally harmless, etc.





# PRODUCT TECHNICAL SPECIFICATION | INDOOR FIBER CABLE OM3

## 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:  $\leq 1.0$
- Core-Cladding Concentricity Error:  $\leq 1.0$
- Coating Diameter:  $245 \pm 5 \mu\text{m}$
- Coating Non-Circularity:  $\leq 6.0$
- Cladding-Coating Concentricity Error:  $\leq 12.0$

## Optical Performance Parameters

- Bandwidth (min) 850nm: 1500 MHz
- Bandwidth (min) 1300nm: 500 MHz
- Attenuation (max.) 850nm:  $\leq 3.0$  dB/km
- Attenuation (max.) 1300nm:  $\leq 1.0$  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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### CONNECT THE FUTURE

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