



INDOOR FIBER CABLE OM3

109-123XX

Phone: +33 75 864 2169 | Email: info@angnetworks.com | Location: Log 202, 5rue Albert Thomas, 38100 Grenoble, France.



Overview

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

Industry Standard

- IEC60332-3C

Applications

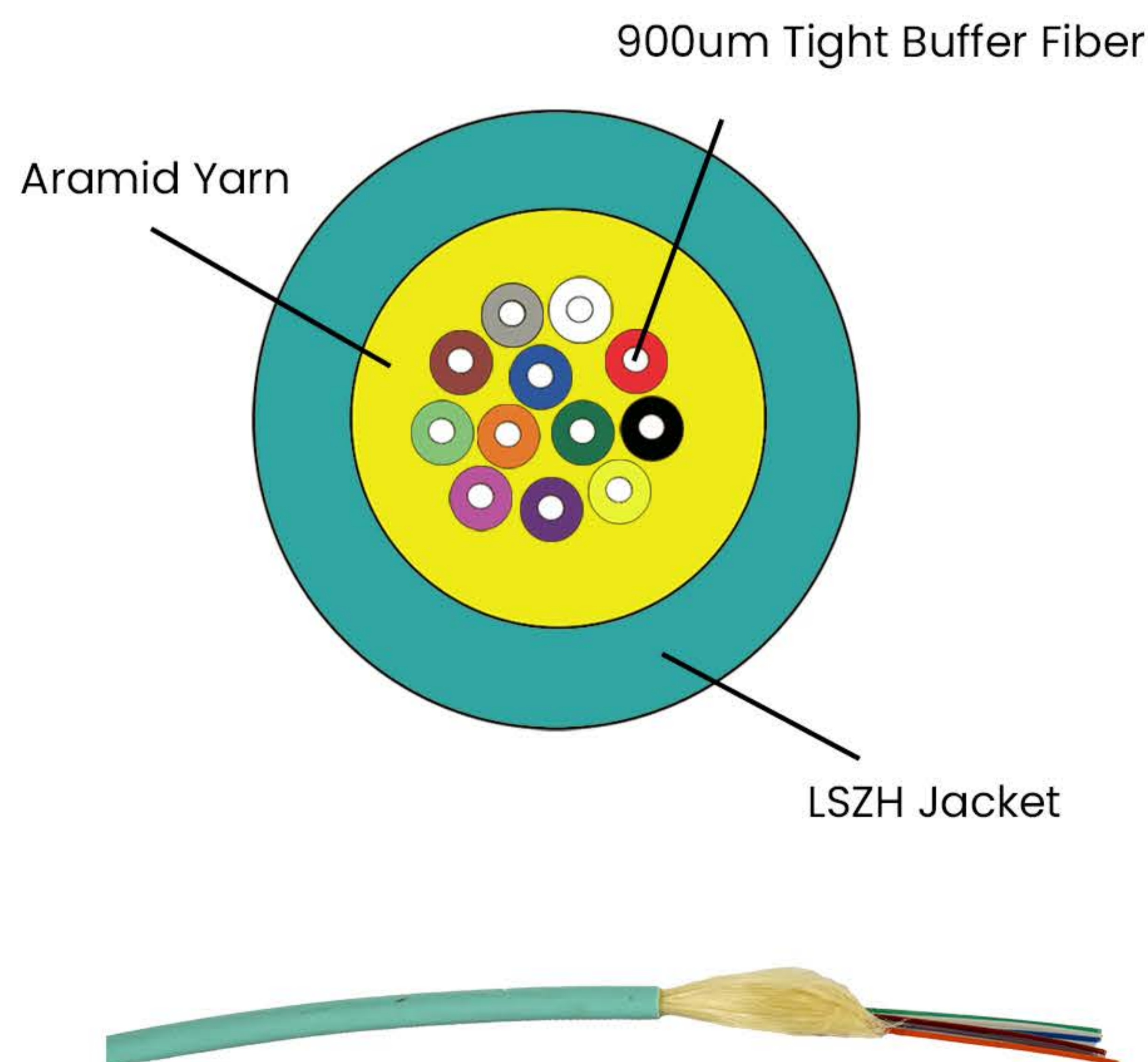
- Inter-building connectivity
- Backbone premise pathways
- Drop ceiling installations
- Suitable for 10Gbps Ethernet, 550Mgh Broadband Video, SAN, data center, and indoor general-purpose cable distribution.

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: ≤ 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: 1500 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



A&G Technologies CO., Limited,
Log 202, 5rue Albert Thomas, 38100
Grenoble, France.

+33 75 864 2169

REGIONAL OFFICE



A&G Technologies (HK) CO., Limited,
Room 803, Chevalier House, 45-51 Chatham Road
South, Tsim Sha Tsui, Kowloon, Hong Kong.

+852 5420 8788

CONNECT THE FUTURE



info@angnetworks.com



www.angnetworks.com

© 2024 A&G Technologies. All Rights Reserved.