



OUTDOOR FIBER CABLE OM3

109-133XX

Phone
+33 75 864 2169

Email
info@angnetworks.com

Log 202, 5rue Albert Thomas, 38100
Grenoble, France.



Overview

- Category: OM3
- Outdoor Fiber Optic Cable with Steel Wire Support, designed for high tensile strength and crush resistance, ideal for reliable data transmission in demanding environments

Industry Standard

- IEC60332-3C, ITU-T G.657
- CENELEC EN 50173
- Bellcore GR-20-CORE
- IEC 60793, IEC60794-1
- ISO/IEC11801, TIA/EIA-492AAAC
- ANSI/TIA 568-2.D

Testing Compliance

- IEC 60794-1 E1, IEC 60794-1-E3, IEC 60794-1-E4, IEC 60794-1-E6
- IEC 60794-1-E7, IEC 60794-1-F11, IEC 60794-1-FB

Applications

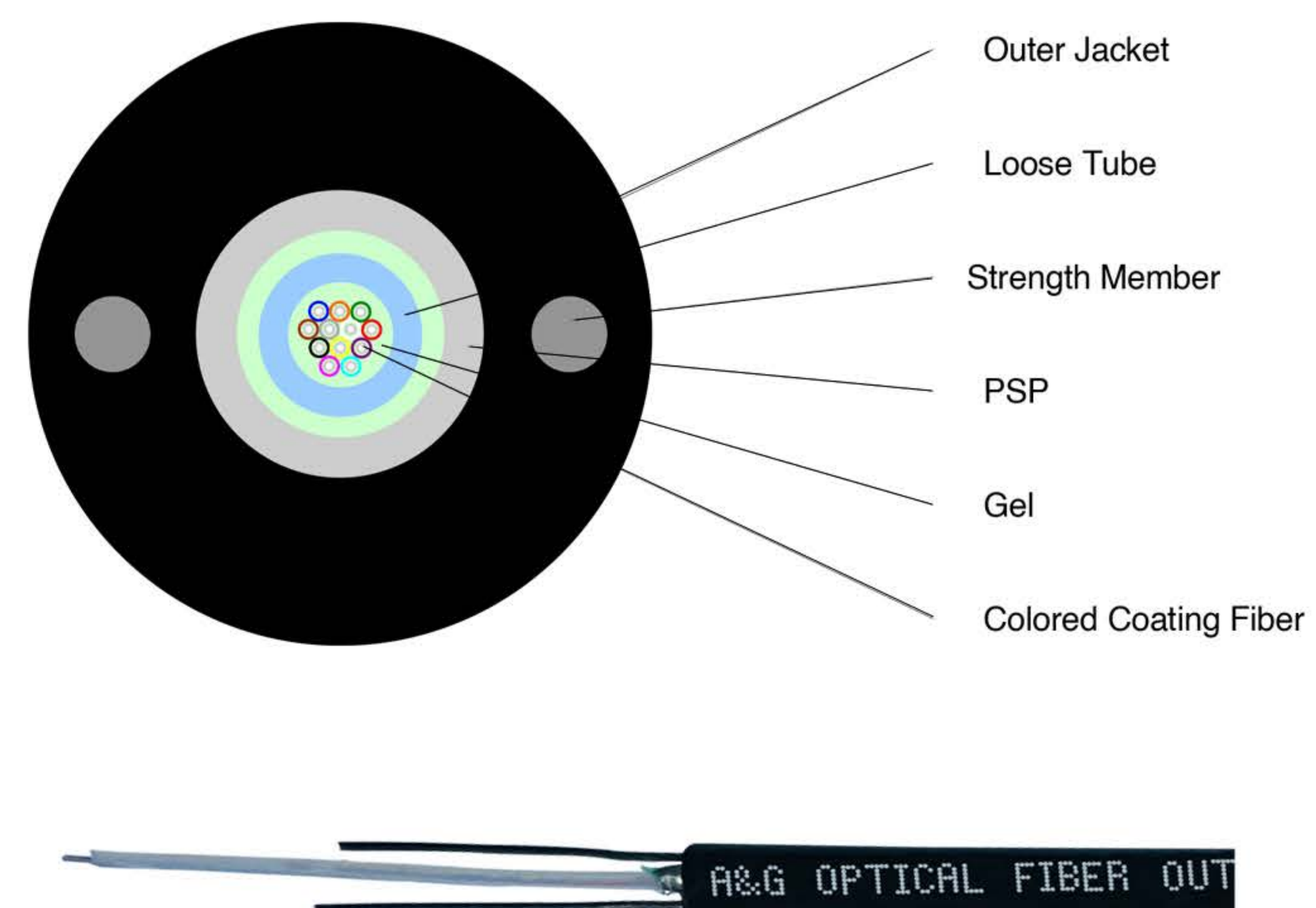
- Inter-building connectivity
- Backbone premise pathways
- Drop ceiling installations
- Suitable for 10Gbps Ethernet, 550Mgh Broadband Video, SAN, data center, and indoor any-purpose cable distribution.

Ordering Information

Part Number	Description
109-13306	6C OUT-DOOR ARMOR FIBER CABLE UNITUBE WITH STEEL WIRE SUPPORT 50/125 OM3
109-13308	8C OUT-DOOR ARMOR FIBER CABLE UNITUBE WITH STEEL WIRE SUPPORT 50/125 OM3
109-13312	12C OUT-DOOR ARMOR FIBER CABLE UNITUBE WITH STEEL WIRE SUPPORT 50/125 OM3

General Information

- Fiber Count: 2 to 48
- Colored Coating Fiber Dimension: 250µm±15µm,
- Loose Tube Dimension: 2.1mm±0.5mm
- Loose Tube Material: PBT
- Loose Tube Color: Natural
- Colored Coating Fiber Color:
 1. Blue
 2. Orange
 3. Green
 4. Brown
 5. Grey
 6. Natural
 7. Red
 8. Black
 9. Yellow
 10. Purple
 11. Pink
 12. Aqua
- Strength Member Material: Steel
- Strength Member Diameter: 1.2mm
- Outer Jacket Dimension: 9.3mm±0.3mm,
- Outer Jacket Material: PE
- Outer Jacket Color: Black
- Jacket Properties: Anti-corrosion, Anti-water, Anti-ultraviolet Radiation, Flame retardant, Environmentally harmless, etc.



PRODUCT TECHNICAL SPECIFICATION | OUTDOOR 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: ≤ 10.0

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

Items	Unite	Specification
Tension (Long Term)	N	800
Tension (Short Term)	N	1600
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	-20~+60
Operating Temperature	°C	-40~+70
Storage Temperature	°C	-40~+70

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

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info@angnetworks.com



www.angnetworks.com