

OUTDOOR FIBER CABLE OM3

109-133XX

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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
 - Bellcore GR-20-CORE
 - ISO/IEC11801, ANSI/TIA 568-2.D
- CENELEC EN 50173
 - IEC60794-1

Applications

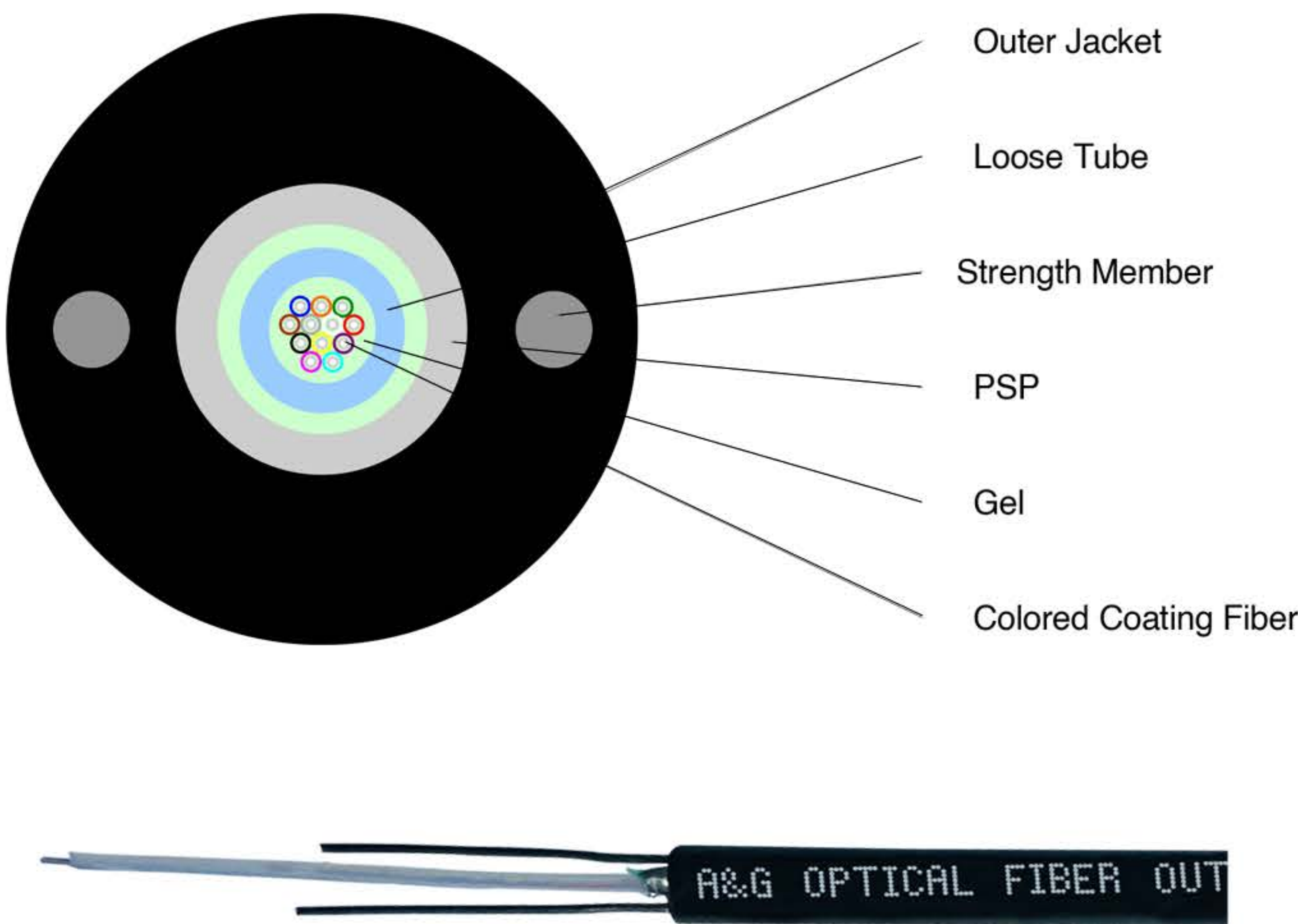
- Inter-building connectivity
- Backbone premise pathways
- Drop ceiling installations
- Suitable for 10Gbps Ethernet, 550Mgh Broadband Video, SAN, data center, and indoor any-purpose cable distribution.

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: 9.0mm±0.3mm,
- Outer Jacket Material: PE
- Outer Jacket Color: Black
- Jacket Properties: Anti-corrosion, Anti-water, Anti-ultraviolet Radiation, Flame retardant,Environmentally harmless, etc.



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: 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