



OUTDOOR FIBER CABLE OM4

109-134XX

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Overview

- Category: OM4
- 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

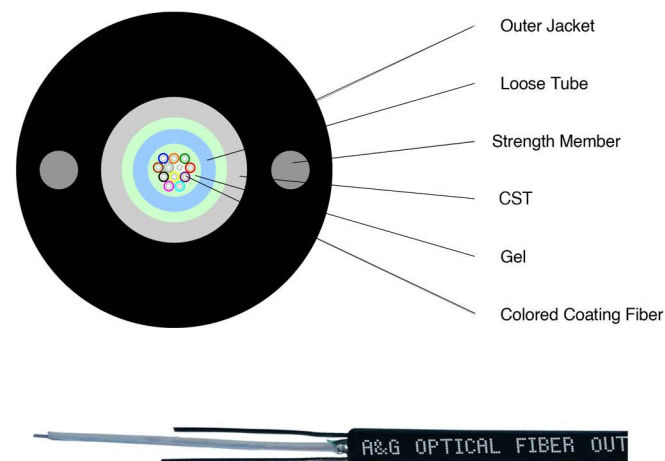
- Inter-building connectivity
- Backbone premise pathways
- Drop ceiling installations
- Suitable for 10Gbps Ethernet, 550Mgh Broadband Video, SAN, data center, and indoor any-purpose cable distribution.

Ordering Information

Part Number	Description
109-13406	6C OUT-DOOR ARMOR FIBER CABLE UNITUBE WITH STEEL WIRE SUPPORT 50/125 OM4
109-13408	8C OUT-DOOR ARMOR FIBER CABLE UNITUBE WITH STEEL WIRE SUPPORT 50/125 OM4
109-13412	12C OUT-DOOR ARMOR FIBER CABLE UNITUBE WITH STEEL WIRE SUPPORT 50/125 OM4

General Information

- Fiber Count: 2 to 48
- Colored Coating Fiber Dimension: $250\mu\text{m}\pm 15\mu\text{m}$,
- Loose Tube Dimension: $2.1\text{mm}\pm 0.5\text{mm}$
- 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: $9.3\text{mm}\pm 0.3\text{mm}$,
- 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: 3500 MHz
- Bandwidth (min) 1300nm: 500 MHz
- Effective Modal Bandwidth 850nm: 4700 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