



LOOSE TUBE SELF SUPPORTING ARIAL FIBER OM4

109-144XX

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Overview

- Category: OM4
- Ideal for OSP backbones, offer reliable transmission in diverse conditions, includes water-blocking gel, strength members, and armor to ensure durability and performance.

Industry Standard

- ISO/IEC 11801ANSI/TIA-568-2.D
- EC60794-1, Bellecore GR-20-Core
- CENELECEN50173

Applications

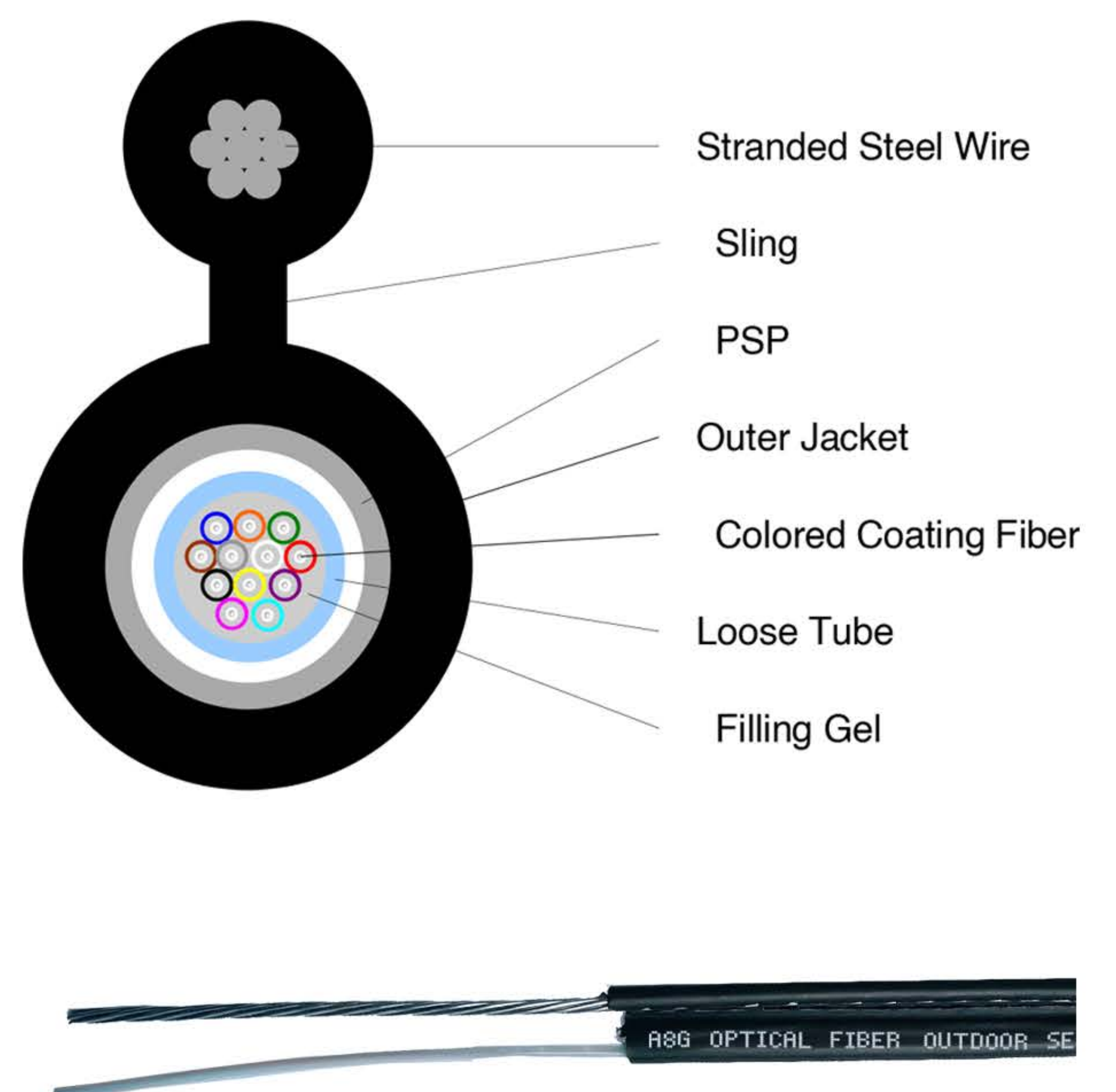
- Lashed aerial
- Trunk, distribution and feeder cable
- Local loop, metro, long-haul and broadband network

Ordering Information

Part Number	Description
109-14406	6C OUT-DOOR ARMOR FIBER CABLE LOOSE TUBE SELF SUPPORTING AERIAL TYPE 50/125MM OM4
109-14408	8C OUT-DOOR ARMOR FIBER CABLE LOOSE TUBE SELF SUPPORTING AERIAL TYPE 50/125MM OM4
109-14412	12C OUT-DOOR ARMOR FIBER CABLE LOOSE TUBE SELF SUPPORTING AERIAL TYPE 50/125MM OM4

General Information

- Fiber Count: 2 - 12
- Colored Coating Fiber Dimension: $250\mu\text{m}\pm 15\mu\text{m}$,
- Loose Tube Dimension: $2.2\text{mm}\pm 0.05\text{mm}$
- 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: Stranded Steel Wire
- Strength Member Dimension: $7\text{mm} \times 1.2\text{mm}$
- Outer Jacket Dimension: $5.6\text{mm} \times 9.2\text{mm} \times 16.8\text{mm}$
- Outer Jacket Material: PE
- Outer Jacket Color: Black



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
- 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	1000
Tension (Short Term)	N	3000
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



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