



INDOOR / OUTDOOR FIBER CABLE OM3

109-113XX

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Overview

- Category: OM3
- Indoor / Outdoor Fiber Optic Cable designed with central loose tube construction

Industry Standard

- IEC60332-3C, IEC 60332-1
- IEC 60794, IEC 60794-1-2
- GR-409, ICEA-596

Applications

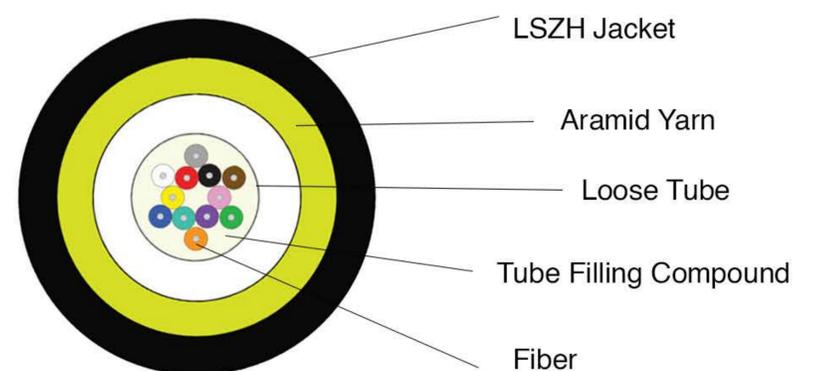
- Inter-building connectivity
- Backbone premise pathways
- Drop ceiling installations, Indoor / Outdoor duct applications
- Suitable for 10Gbps Ethernet, Supports 550MHz Broadband Video transmission

Ordering Information

Part Number	Description
109-11302	2C INDOOR / OUTDOOR FIBER CABLE 50/125 MM OM3 - LSZH
109-11304	4C INDOOR / OUTDOOR FIBER CABLE 50/125 MM OM3 - LSZH
109-11306	6C INDOOR / OUTDOOR FIBER CABLE 50/125 MM OM3 - LSZH
109-113XX	8C & ABOVE AVAILABLE UPON REQUEST

General Information

- Core / Cladding Diameter: 50/125 μ m
- Loose Tube Material: PBT
- Water Blocking System: Gel-based fiber filling compound
- Strength Member: Aramid yarn
- Armor Layer: Corrugated steel tape
- Outer Jacket Material: LSZH
- Outer Jacket Color: Black
- Jacket Thickness: Average 1.6 mm
- 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
- Cable Diameter 02–12C: 6.2 mm \pm 0.4 mm
- Cable Diameter 14–24C: 7.2 mm \pm 0.4 mm
- Jacket Properties: Anti-corrosion, Anti-water, Anti-ultraviolet Radiation, Flame retardant, Environmentally harmless, etc.



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: $\leq 3.5 \text{ dB/km}$
- Attenuation (max.) 1300nm: $\leq 1.5 \text{ dB/km}$

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



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REGIONAL OFFICE



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