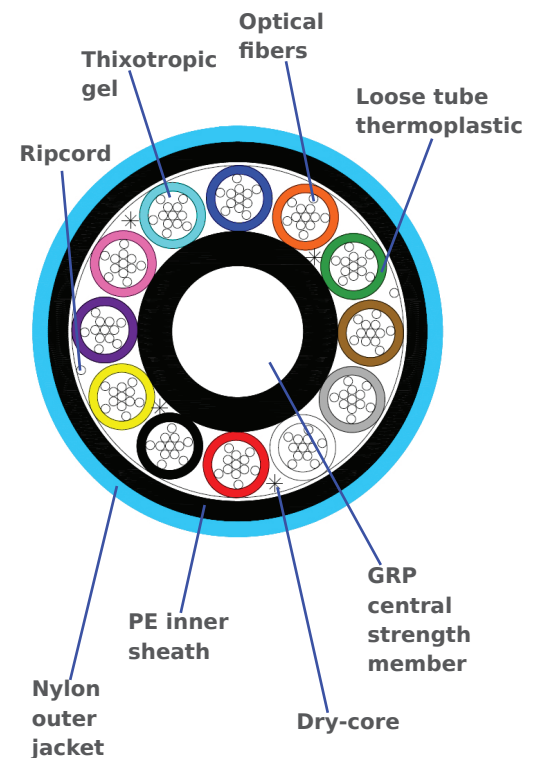


External Mini Loose Tube, Optical Fiber Cable >

This loose tube dielectric optical cable is designed for external underground installations in (micro) ducts by pulling, blowing or floating techniques. Polyamide provides anti-termite protection and rodent resistance. Optimized for blowing in mini ducts of 10mm diameter (internal).

Made up of a multi-loose tube construction - 2 to 144 fibers, the tube is made of a thermoplastic material, containing up to 12 optical fibers filled with a low viscosity, thixotropic, non-melting gel fully compatible with fiber coating and tube material, a glass GRP strength member and water swellable elements (dry-core) providing longitudinal water tightness. The inner sheath is made up of a UV stabilized polyethylene in compliance with AS 1049. The hard jacket is a UV stabilized polyamide (Nylon) in compliance with AS 1049 integrally bonded to PE inner sheath. The outer sheath is a UV stabilized polyethylene in compliance with AS 1049. Two ripcords provided beneath the sheath for easy removal.



SPECIFICATIONS

Reference information

Commercial Standards:

IEC 60794-5
ACMA - AS/CA S008
AS/NZS 2857
AS 1049
ITU-T Recommendation G.652.D
12 Core OM4 fiber complying with:
- IEC 60793-2-10
- AS/NZS 2967
- IEC 60794-1-2

Mechanical

Number of fibers: 2 to 72
Number of elements: 6
Tube/Filler diameter: 1.55mm
Cable nominal diameter: 6.3mm
Cable nominal weight: 33kg/km
Max. installation tension: 1.0kN
Max. crush resistance: 2.0kN/100mm

Min. bending radius

At full load: 130mm
At no load: 65mm

Number of fibers: 96

Number of elements: 8

Tube/Filler diameter: 1.55mm

Cable nominal diameter: 7.4mm

Cable nominal weight: 49kg/km

Max. installation tension: 2.0kN

Max. crush resistance: 2.0kN/100mm

Min. bending radius

At full load: 220mm
At no load: 110mm

Number of fibers: 144

Number of elements: 12

Tube/Filler diameter: 1.35mm

Cable nominal diameter: 8.4mm

Cable nominal weight: 62kg/km

Max. installation tension: 2.0kN

Max. crush resistance: 2.0kN/100mm

Min. bending radius

At full load: 220mm
At no load: 110mm

Temperature range:

Installation: -0°C to +50°C
Transport & Storage: -20°C to +70°C
Operation: -10°C to +70 °C

Physical

Fiber and Buffer Tube Colors:

1 - Blue, 2 - Orange, 3 - Green, 4 - Brown,
5 - Gray, 6 - White, 7 - Red, 8 - Black,
9 - Yellow, 10 - Violet, 11 - Pink, 12 - Aqua

External Mini Loose Tube, Optical Fiber Cable

ORDERING INFORMATION

Order No.	SAP No.	Description
AFOMS006OM3	180570588	6 Core, OM3, External Mini Loose Tube, Optical Fiber Cable
AFOMS012OM3	180570589	12 Core, OM3, External Mini Loose Tube, Optical Fiber Cable
AFOMS024OM3	180570590	24 Core, OM3, External Mini Loose Tube, Optical Fiber Cable
AFOMS006OM4	180570591	6 Core, OM4, External Mini Loose Tube, Optical Fiber Cable
AFOMS012OM4	180570592	12 Core, OM4, External Mini Loose Tube, Optical Fiber Cable
AFOMS024OM4	180570593	24 Core, OM4, External Mini Loose Tube, Optical Fiber Cable
AFOMS006OS2	180570581	6 Core, OS1/2, External Mini Loose Tube, Optical Fiber Cable
AFOMS012OS2	180570582	12 Core, OS1/2, External Mini Loose Tube, Optical Fiber Cable
AFOMS024OS2	180570583	24 Core, OS1/2, External Mini Loose Tube, Optical Fiber Cable
AFOMS048OS2	180570584	48 Core, OS1/2, External Mini Loose Tube, Optical Fiber Cable
AFOMS072OS2	180570585	72 Core, OS1/2, External Mini Loose Tube, Optical Fiber Cable
AFOMS096OS2	180570586	96 Core, OS1/2, External Mini Loose Tube, Optical Fiber Cable
AFOMS144OS2	180570587	144 Core, OS1/2, External Mini Loose Tube, Optical Fiber Cable

www.molexces.com/products/fiber/cables/

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Order No. AFOMS

SJ/2024.07

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