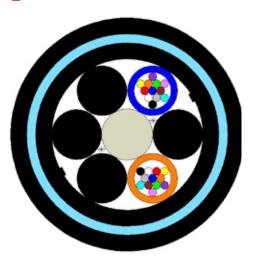


# External Mini Loose Tube Optical Cable with Sacrificial Sheath

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.

Made up of a multi-loose tube construction - single layer 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 with or without over-sheathing, the required numbers of elements (tubes and fillers) are SZ stranded around the central strength member and there are water swellable elements (dry-core) providing longitudinal water tightness. The sheath is made up of polyethylene in compliance with AS 1049. The sheath has two ripcords provided beneath for easy removal. The hard jacket is a UV stabilized polyamide (Nylon) in compliance with AS 1049 integrally bonded to PE sheath. Outside the hard jacket is a UV stabilized polyethylene sacrificial sheath, in compliance with AS 1049.



# **SPECIFICATIONS**

# **Reference information**

## **Commercial Standards:**

IEC 60794-5 ACMA - AS/CA S008 AS 1049

#### **Technical**

#### 2 to 72 fibers

Number of elements: 6
Tube diameter: 1.55mm
Cable nominal diameter: 7.3mm
Cable nominal weight: 43kg/km
Max. installation tension: 1.0kN
Max. crush resistance: 2.0kN/100mm
Min. bending radius

At full load: 150mm x Cable OD At no load: 75mm x Cable OD

#### 96 fibers

Number of elements: 8
Tube diameter: 1.55mm
Cable nominal diameter: 8.4mm
Cable nominal weight: 61kg/km
Max. installation tension: 2.0kN
Max. crush resistance: 2.0kN/100mm
Min. bending radius

At full load: 220mm x Cable OD At no load: 110mm x Cable OD

### 144 fibers

Number of elements: 12 Tube diameter: 1.35mm Cable nominal diameter: 9.4mm Cable nominal weight: 75kg/km Max. installation tension: 2.0kN Max. crush resistance: 2.0kN/100mm

Min. bending radius

At full load: 220mm x Cable OD At no load: 110mm x Cable OD

# 2 to 144 fibers

# 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

## www.molexces.com



# External Mini Loose Tube Optical Cable with Sacrificial Sheath

# **ORDERING INFORMATION**

Order No.	SAP No.	Description
AFOLS012OS1-BK-D	Consult Molex	External Mini Loose Tube with Sacrificial Sheath, 12 Core OS1 Singlemode Optical Fiber Cable - Black
AFOLS024OS1-BK-D	Consult Molex	External Mini Loose Tube with Sacrificial Sheath, 24 Core OS1 Singlemode Optical Fiber Cable - Black