

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

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 |