



Outdoor Unitube Single Sheathed Armoured 50/125µm OM3 Type

Features and Benefits

Cable containing upto 4 - 12 optical fibres in water blocked loose tube, taped, corrugated steel tape armoured (STA) polyethylene (HDPE) outer sheathed embedded with two steel wires on the periphery.

Construction Details

- Number of elements : 5
- Tube Identification : Single tube
- Fibre protection(Tube) : Polybutylene Terephthalate (PBT)
- Water Blocking : Thixotropic Gel (Tube)
Petroleum Jelly (Interstices)
- Core Wrapping : Polyethylene Terephthalate
- Armouring : Corrugated Steel Tape Armour (ECCS Tape)
Thickness > 0.125mm
- Peripheral Strength Member: Two Steel wires
- Sheath : UV Stabilised Polyethylene (HDPE)

Dimensions and Mass

- Overall Cable (Nominal) : 9.8 mm
- Mass (Nominal) : 95 kg/km

Mechanical and Environmental Performance

- Max. Bending Radius (during installation) : 20 X Overall diameter
- Max. Bending Radius (during full load) : 10 X Overall diameter
- Max. Tensile Strength-Short Term : 1000N
- Max. Crush Resistance-Short Term : 2000N/10 cm
- Operating Temperature range : -10°C -+70°C

Physical Characteristics

- Mode Field Diameter @ 850nm : 50 ± 3.0 µm
- Cladding Diameter : 125 ± 2.0 µm

Specifications

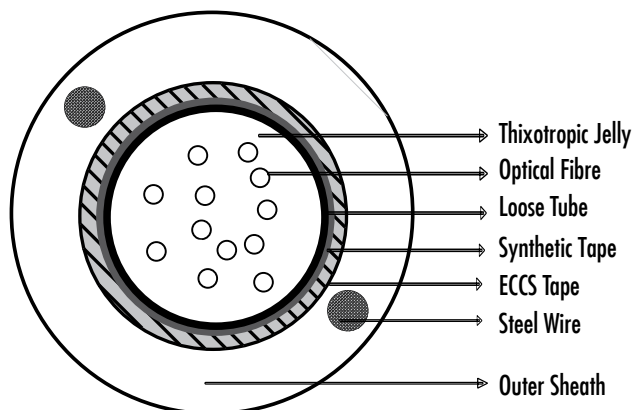
ISO.IEC 11801 - 2nd Edition, type OM3; AS/ACIF S008; AS/NZS 3080

Technical Specifications

Characteristics - Optical Performance

- Attenuation;
 - At 850 nm: 2.5 dB/km
 - At 1300 nm: 0.7 dB/km
- Min. Bandwidth;
 - At 850 nm: 2000MHz
 - At 1300 nm: 500MHz

CONSTRUCTION DETAILS



ORDERING INFORMATION

Order No.	Description
AFOUND040M3	4 Core, Unitube Single Sheathed, Armoured, 50/125µm OM3 ,Type Fibre Cable
AFOUND060M3	6 Core, Unitube Single Sheathed, Armoured, 50/125µm OM3 , Type Fibre Cable
AFOUND080M3	8 Core, Unitube Single Sheathed, Armoured, 50/125µm OM3 , Type Fibre Cable
AFOUND120M3	12 Core, Unitube Single Sheathed, Armoured, 50/125µm OM3 ,Type Fibre Cable

MOLEX PREMISE NETWORKS

Corporate Headquarters
Tel: 630 969 4550
www.molexpn.com

European Headquarters
Tel: 44 (0) 1489 572111
www.molexpn.co.uk

Pacific Rim Headquarters
Tel: 61 3 9971 7111
www.molexpn.com.au