

# Outdoor Loose Tube 62.5/125µm OM1 Type Optical Cable

## Features and Benefits

Cable containing up to 60 optical fibres in water blocked loose tubes (Maximum 12 fibres per tube) and solid polyethylene fillers, total of 5 elements laid-up around a glass reinforced plastic (GRP) central strength member, water blocked interstices, taped, polyethylene overall sheathed and nylon jacketed

## Technical Specifications

### Characteristics - Optical Performance

Max. Attenuation;	
At 350 nm:	3.5 dB/km
At 1300 nm:	1.0 dB/km
Min. Bandwidth;	
At 850 nm:	200 MHz/km
At 1300 nm:	500 MHz/km

### Construction Details

Number of Elements:	5
Fibre/Tube Identification:	Colour Coded
Central Strength Member:	Glass Reinforced Plastic (GRP)
Fibre Protection (Tubes):	Polybutylene Terephthalate (PBT)
Fillers:	As Required
Water Blocking:	Thixotropic Gel (Tubes) Petroleum Jelly (Interstices)
Core Wrapping:	Polyethylene Terephthalate Tape
Sheath:	Polyethylene (UV Stabilised)
Jacket:	Nylon (UV Stabilised)

### Dimensions and Mass

Overall Cable Diameter (Nominal):	10.1mm
Mass (Nominal):	83-86 kg/km

### Mechanical and Environmental Performance

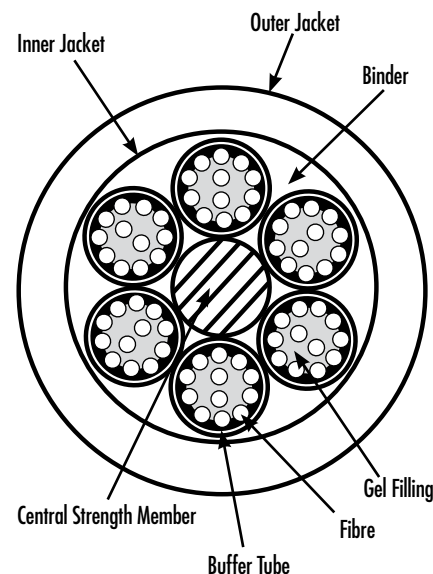
Max. Bending Radius-Full load:	200mm
Max. Tensile Strength-Short Term:	2000N
Max. Crush Resistance-Short Term:	2000 N/10cm
Operating Temperature Range:	-10°C - +70°C

### Physical Characteristics

Core Diameter:	62.5±3.0µm
Cladding Diameter:	125±1.0µm

### Specifications

ISO/IEC 11801 - 2nd Edition, Type OM1; AS/ACIF S008; AS/NZS 3080



## ORDERING INFORMATION

Order No.	Description
AFOLH0040M1	4 Core, Outdoor Loose Tube Nylon Jacket, 62.5/125µm, OM1 Type Fibre Cable
AFOLH0060M1	6 Core, Outdoor Loose Tube Nylon Jacket, 62.5/125µm, OM1 Type Fibre Cable
AFOLH0080M1	8 Core, Outdoor Loose Tube Nylon Jacket, 62.5/125µm, OM1 Type Fibre Cable
AFOLH0120M1	12 Core, Outdoor Loose Tube Nylon Jacket, 62.5/125µm, OM1 Type Fibre Cable
AFOLH0240M1	24 Core, Outdoor Loose Tube Nylon Jacket, 62.5/125µm, OM1 Type Fibre Cable

This information is correct as at the time of publication, specifications are subject to change

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