



Outdoor Loose Tube 50/125µm OM3 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.

Graded Index 50/125µm fibre is proven to satisfy Gigabit Ethernet applications. It will support link lengths greater than 1000 metres at both 850nm and 1300nm in local area network applications (LAN) and transmission rates of up to 10Gbit/s over a distance of 300 metres at 850nm.

Technical Specifications

Characteristics - Optical Performance

Max. Attenuation;	
At 350 nm:	2.5 dB/km
At 1300 nm:	0.7 dB/km
Min. Bandwidth;	
At 850 nm:	2000 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

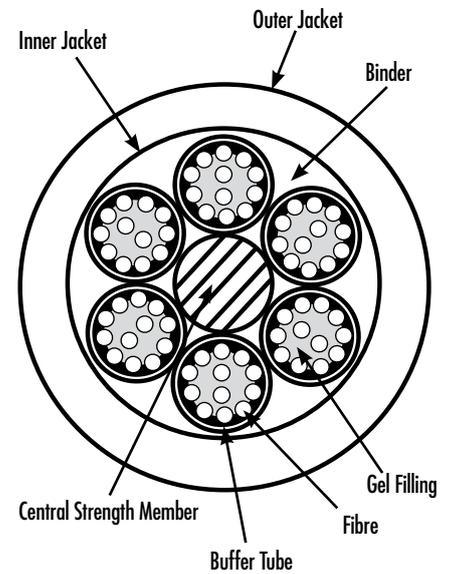
Max. Bending Radius-Full load:	200mm
Max. Tensile Strength-Short Term:	2000N
Max. Crush Resistance-Short Term:	2000 N/10cm
Operating Temperature Range:	-10°C - +70°C

Physical Characteristics

Core Diameter:	50±2.5µm
Cladding Diameter:	125±2.0µm

Specifications

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



ORDERING INFORMATION

Order No.	Description
AFOLH0040M3	4 Core, Outdoor Loose Tube Nylon Jacket, 50/125µm, OM3 Type Fibre Cable
AFOLH0060M3	6 Core, Outdoor Loose Tube Nylon Jacket, 50/125µm, OM3 Type Fibre Cable
AFOLH0080M3	8 Core, Outdoor Loose Tube Nylon Jacket, 50/125µm, OM3 Type Fibre Cable
AFOLH0120M3	12 Core, Outdoor Loose Tube Nylon Jacket, 50/125µm, OM3 Type Fibre Cable
AFOLH0240M3	24 Core, Outdoor Loose Tube Nylon Jacket, 50/125µm, OM3 Type Fibre Cable

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

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