

Outdoor Loose Tube 9/125µm OS1 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. Sacrificial Sheath Available.

Technical Specifications

Characteristics - Optical Performance

Max. Attenuation;

At 1310 nm: 0.36 dB/km

At 1550 nm: 0.22 dB/km

Max. Average Attenuation;

At 1310 nm: 0.35 dB/km

At 1550 nm: 0.21 dB/km

Attenuation Discontinuity: Both Windows < 0.10dB

Numerical Aperture: 0.14

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

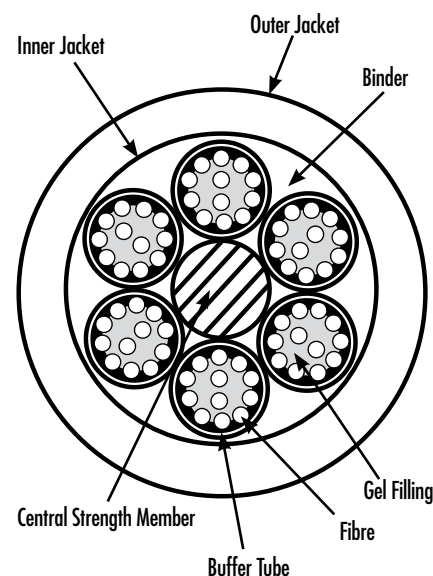
Core Diameter: 9.2±0.4µm

Cladding Diameter: 125±1.0µm

Specifications

ISO/IEC 11801 - 2nd Edition, Type OS1; AS/ACIF S008;

AS/NZS 3080



ORDERING INFORMATION

Order No.	Description
AFOLH0040S1	4 Core, Outdoor Loose Tube Nylon Jacket, 9/125µm, OS1 Type Fibre Cable
AFOLH0060S1	6 Core, Outdoor Loose Tube Nylon Jacket, 9/125µm, OS1 Type Fibre Cable
AFOLH0080S1	8 Core, Outdoor Loose Tube Nylon Jacket, 9/125µm, OS1 Type Fibre Cable
AFOLH0120S1	12 Core, Outdoor Loose Tube Nylon Jacket, 9/125µm, OS1 Type Fibre Cable
AFOLH0240S1	24 Core, Outdoor Loose Tube Nylon Jacket, 9/125µm, OS1 Type Fibre Cable

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

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