

FEATURES AND SPECIFICATIONS

molex® Fibre Optic Cable Indoor/Outdoor, LS0H, Light Duty 62.5/125µm OM1

Features and Benefits

The cable consists of a number of 900µm tight buffered optical fibres reinforced with aramid yarns and sheathed in a flame retardant Low Smoke Zero Halogen compound.

Indoor/Outdoor cable is designed for internal or outdoor use primarily in structured wiring systems in backbones and/or inter-building. It also features a "dry" water blocking system to prevent the flow of water along the cable in the event of sheath breach.

Commercial Standards

ISO/IEC 11801:2002 - 2nd Edition,
Type OM1; AS/ACIF S008; AS/NZS
3080:2003

Technical Information

Mechanical Characteristics

Fibre Identification: Colour Coded
Fibre Insulation: Coloured Nylon
Reinforcing: Aramid Yarns
Sheath: LS0H Black
Core Diameter: 62.5±3.0µm
Cladding Diameter: 125±1.0µm

Dimensions and Mass

Diameter (Nominal):

2 Core	4.8mm
4 Core	4.8mm
6 Core	5.6mm
8 Core	6.0mm
12 Core	6.7mm

Mass (Nominal):

2 Core	27 kg/km
4 Core	27 kg/km
6 Core	38 kg/km
8 Core	42 kg/km
12 Core	50 kg/km

Min. Bending Radius:

2 Core	85mm
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Full Load

4 Core	85mm
6 Core	105mm
8 Core	110mm
12 Core	125mm

Max. Tensile Strength-Short Term:
0.6kN

Operating Temp. Range:
-10°C to +60°C

Crush Resistance-Short Term: 1.0
kN/100mm

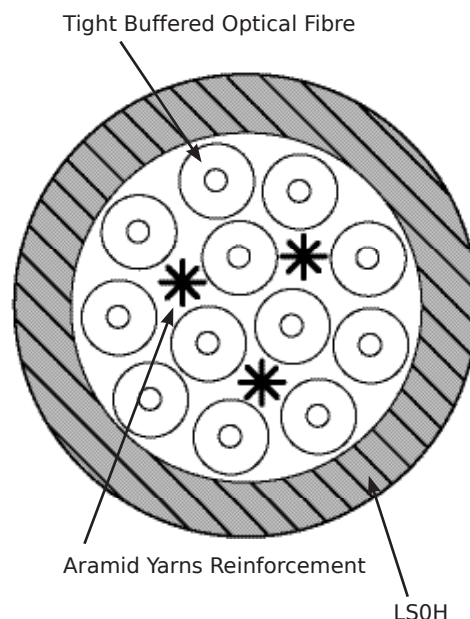
Electrical/Optical Characteristics

Max. Attenuation;

At 850 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



ORDERING INFORMATION

Order No.	SAP No.	Description
AFOIZ004OM1	Consult Molex	Fibre Optic Cable, 4 Core, Indoor/Outdoor Riser, LS0H, 62.5/125µm, OM1
AFOIZ006OM1	Consult Molex	Fibre Optic Cable, 6 Core, Indoor/Outdoor Riser, LS0H, 62.5/125µm, OM1
AFOIZ008OM1	Consult Molex	Fibre Optic Cable, 8 Core, Indoor/Outdoor Riser, LS0H, 62.5/125µm, OM1
AFOIZ012OM1	Consult Molex	Fibre Optic Cable, 12 Core, Indoor/Outdoor Riser, LS0H, 62.5/125µm, OM1
AFOIZ024OM1	Consult Molex	Fibre Optic Cable, 24 Core, Indoor/Outdoor Riser, LS0H, 62.5/125µm, OM1

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