

FEATURES AND SPECIFICATIONS

molex

Fibre Optic Cable Indoor Riser, LS0H, Light Duty 9/125µm OS1/2

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 Riser cable is designed for internal 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 OS1; AS/ACIF S008; AS/NZS 3080:2003

Technical Information

Mechanical Characteristics

Fibre Identification: Colour Coded
Fibre Insulation: Coloured Nylon
Reinforcing: Aramid Yarns
Sheath: LS0H yellow
Mode Field Diameter @ 1310:
9.2±0.4µm
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
- 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 1310 nm: 0.36 dB/km
At 1550 nm: 0.22 dB/km

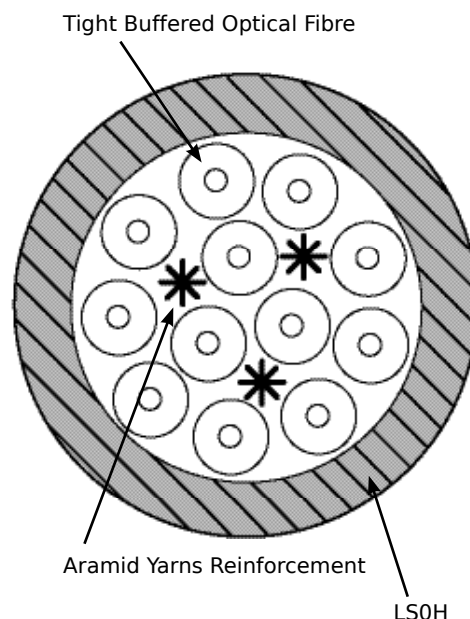
Max. Average Attenuation;

At 1310 nm: 0.35 dB/km
At 1550 nm: 0.21 dB/km

Attenuation Discontinuity: Both

Windows < 0.10dB

Numerical Aperture: 0.14



ORDERING INFORMATION

Order No.	SAP No.	Description
AFOIR004OS1	Consult Molex	Fibre Optic Cable, 4 Core, Indoor Riser, LS0H, 9/125µm, OS1/2
AFOIR006OS1	Consult Molex	Fibre Optic Cable, 6 Core, Indoor Riser, LS0H, 9/125µm, OS1/2
AFOIR008OS1	Consult Molex	Fibre Optic Cable, 8 Core, Indoor Riser, LS0H, 9/125µm, OS1/2
AFOIR012OS1	Consult Molex	Fibre Optic Cable, 12 Core, Indoor Riser, LS0H, 9/125µm, OS1/2
AFOIR024OS1	Consult Molex	Fibre Optic Cable, 24 Core, Indoor Riser, LS0H, 9/125µm, OS1/2
AFOIR048OS1	Consult Molex	Fibre Optic Cable, 48 Core, Indoor Riser, LS0H, 9/125µm, OS1/2
AFOIR096OS1	Consult Molex	Fibre Optic Cable, 96 Core, Indoor Riser, LS0H, 9/125µm, OS1/2

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