

FEATURES AND SPECIFICATIONS



Indoor Light Duty 9/125µm OS1/2 Type Optical Cable

Features and Benefits

The cable consists of a number of 900µm tight buffered optical fibres reinforced with aramid yarns and surrounded in a flame retardant LSZH Sheath.

Characteristics- Optical Performance

Max. Attenuation:

At 1310 nm:	0.35 dB/km
At 1550 nm:	0.25 dB/km

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

Fibre Identification:	Colour Coded
Fibre Insulation:	Coloured Nylon
Reinforcing:	Aramid Yarns
Sheath:	LSZH Yellow

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

Mechanical and Environmental Performance

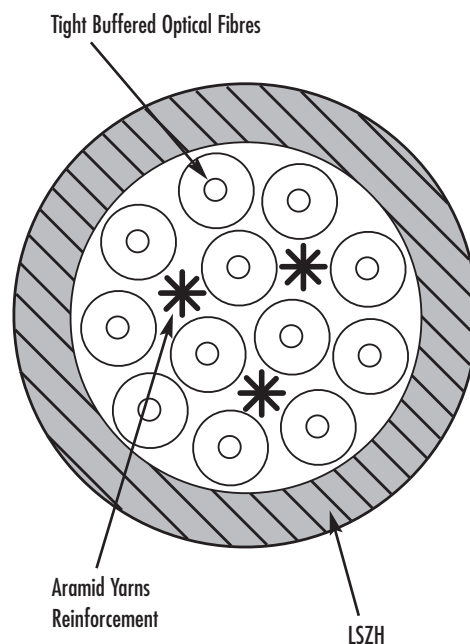
Min. Bending Radius:	2 Core	85mm
-Full Load	4 Core	85mm
	6 Core	105mm
	8 Core	110mm
	12 Core	125mm
Max. Tensile Strength-Short Term:		0.6kN
Operating Temp. Range:		-10°C to +60°C
Crush Resistance-Short Term:		1.0 kN/100mm

Physical Characteristics

Mode Field Diameter@1330:	9.2±0.4µm
Cladding Diameter:	125±2.0µm

Specifications

ISO/IEC 11801- 2nd Edition, Type OS1; AS/ACIF S008;
AS/NZS 3080; IEC 60793 and ITU-T rec. G.651



ORDERING INFORMATION

Order No.	Description
AFOIR004OS1	4 Core, Indoor Riser, 9/125µm, OS1/2 Type Fibre Cable
AFOIR006OS1	6 Core, Indoor Riser, 9/125µm, OS1/2 Type Fibre Cable
AFOIR008OS1	8 Core, Indoor Riser, 9/125µm, OS1/2 Type Fibre Cable
AFOIR012OS1	12 Core, Indoor Riser, 9/125µm, OS1/2 Type Fibre Cable

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

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