



Indoor Light Duty 50/125µm OM3 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 retardent LSZH sheath.

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.

Characteristics- Optical Performance

Max. Attenuation;

At 850 nm: 2.5 dB/km

At 1300 nm: 0.7 dB/km

Min. Modal Bandwidth;

At 850 nm: 2000 MHz/km

At 1300 nm: 500 MHz/km

Construction Details

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

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

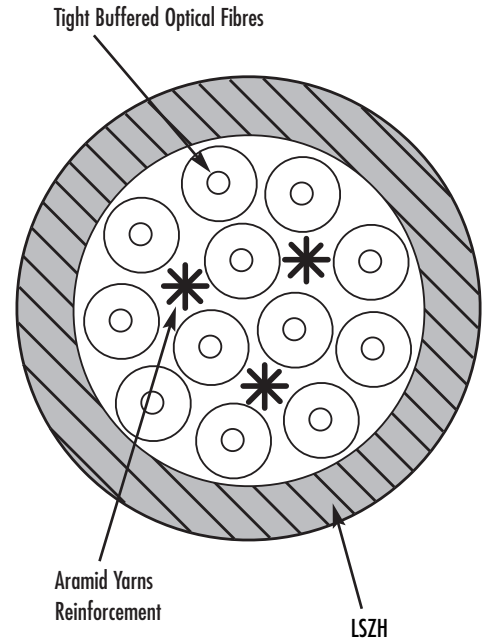
Min. Bending Radius:	2 Core	85mm
	4 Core	85mm
	6 Core	105mm
	8 Core	110mm
	12 Core	125mm
-Full Load		
Max. Tensile Strength-Short Term:		0.6kN
Operating Temp. Range:		-10°C to +60°C
Crush Resistance-Short Term:		1.0 kN/100mm

Physical Characteristics

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

Specifications

ISO/IEC 11801- 2nd Edition, Type OM3; AS/ACIF 5008; AS/NZS 3080



ORDERING INFORMATION

Order No.	Description
AFOIR004OM3	4 Core, Indoor Riser, 50/125µm, OM3 Type Fibre Cable
AFOIR006OM3	6 Core, Indoor Riser, 50/125µm, OM3 Type Fibre Cable
AFOIR008OM3	8 Core, Indoor Riser, 50/125µm, OM3 Type Fibre Cable
AFOIR012OM3	12 Core, Indoor Riser, 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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