

Loose Tube Pre-Terminated Fibre Cable

Overview

A loose tube fibre optic cable is a type of optical fibre cable commonly used in outdoor applications such as long-distance telecommunications, oil and gas pipelines, and security systems. Unlike tight buffered cables, loose tube cables have individual fibre strands that are loosely held within a protective tube made of plastic or gel material.

This design provides additional protection against moisture, temperature changes, and other environmental factors. Loose tube cables are known for their durability and ability to withstand harsh outdoor conditions.



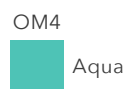
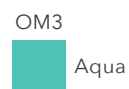
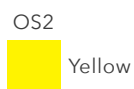
Applications

- Indoor & Outdoor
- Inter-cabinet Links (Data Centres)
- Cable trays or ducts
- LAN & WAN Backbones
- FTTX
- Telecom access lines

Features

- Lightweight for easier installation
- Water-blocking design
- Available with 900µm, 2mm or 2.4mm tails
- Made to measure to your requirements
- Manufactured in the UK

STANDARD RUGGEDISED TAIL COLOURS



*bespoke options available upon request



Options

Fibre Type	Singlemode		OS2					
	Multimode		OM1*	OM3	OM4	OM5		
Fibre Count	4	8	12	16	20	24	48	96
Connector Type Multimode/Singlemode	LC/UPC	SC/UPC	FC/UPC	ST/UPC	E2000/UPC			
	LC/APC	SC/APC	FC/APC	ST/APC	E2000/APC			
Tail Options	900 µm	2 mm	2.4 mm					

*OM1 fibre is not held in stock but is available upon request.
*APC available for singlemode only.

Tail Configuration



Cable Construction

Sheath	Black	LSZH			UV Stabilised	IEC 60332-1-2 IEC 60754-2 IEC 61034
	Core/Cladding	OS2	OM1	OM3	OM4	OM5
	9/125	62.5/125	50/125	50/125	50/125	

*The CPR rating of our cable is Eca as standard. Other ratings available upon request.



Our standard pre-terms are supplied with 1 metre tails

Pre-term length is measured gland-to-gland as standard

Our standard pre-terms are supplied with staggered tails



Customer specific configurations are available upon request.

Optical Fibre Specifications

Fibre Performance

		OS2	OM3	OM4	OM5
Max. Cable Attenuation (dB/KM)	@850nm	-	≤3.0	≤3.0	≤3.0
	@1300nm	-	≤1.0	≤1.0	≤1.0
	@1310nm	≤0.39	-	-	-
	@1550nm	≤0.22	-	-	-
Overfilled Modal Bandwidth	@850nm	-	≤1500	≤3500	≤3500
	@1300nm	-	≤500	≤500	≤500
Min. Bandwidth Laser Effective	@850nm	-	≤2000	≤4700	≤4700
Complies with Specification Standard		IEC - EN 60793-2-50	IEC - EN 60793-2-10	IEC - EN 60793-2-10	IEC - EN 60793-2-10

Connector Performance

	SC	LC	ST	FC	E2000
Typical Insertion Loss (dB)	≤ 0.20	≤ 0.20	≤ 0.20	≤ 0.20	≤ 0.20
Typical Return Loss (dB) MM/SM/APC	≥30 ≥55 ≥65	≥30 ≥55 ≥65	≥30 ≥55 ≥65	≥30 ≥55 ≥65	≥30 ≥55 ≥65