

Tight Buffered **Pre-Terminated Fibre Cable**

Overview

Tight buffered fibre optic cable is a type of indoor optical fibre cable that has a protective coating around each fibre strand to prevent damage. They are grouped together in a single cable and protected by an outer jacket. This offers flexibility, ease of termination, and high tensile strength, making them suitable for applications that require frequent handling or movement. They are cost-effective and reliable for high-speed data transmission.



Applications

- Indoor & Outdoor
- Inter-cabinet Links (Data Centres)
- Cable trays or non-submerged ducts
- Central office interconnections

Features

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

STANDARD RUGGEDISED TAIL COLOURS

OS2



Yellow

OM1



Grey

OM3



Aqua

OM4



Aqua

OM5



Green



Erika Violet

*bespoke options available upon request

Tight Buffered



Options

Fibre Type	Singlemode		OS2				
	Multimode		OM1*	OM3	OM4	OM5	
Fibre Count	4	8	12	16	20	24	48
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.

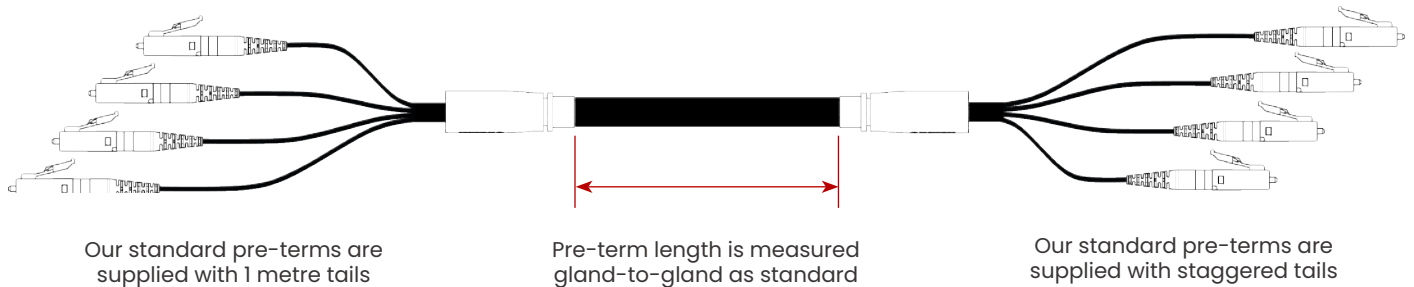
Tail Configuration



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.



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