



Pre-Terminated Optical Fibre Solutions

About Our Pre-Terminated Solutions

Based in Milton Keynes, our state-of-the-art UK fibre optic cable production facility is staffed by a team of highly skilled fibre technicians. Equipped with modern equipment, we use proven techniques and a controlled process to manufacture top-quality fibre optic cables. Whether you need standard cables, patch cords or custom-made solutions, our team is committed to delivering high-performance products that meet your specific project requirements.

Our UK production facility offers a wide range of cable options and connector types. From singlemode to multimode fibre cable, we can meet your specific needs with customised solutions. We offer staggered and fan-out tails, giving you the flexibility to connect equipment or devices in the way that works best for your application. Our team is dedicated to delivering products that not only meet your technical requirements, but also provide the ease of use and functionality you need.



Manufactured in the UK

UK manufacturing offers a host of benefits that can make a real difference to your project. Faster turnaround times give you the agility and flexibility you need to meet changing project requirements. Made-to-order solutions mean you get the exact cable specifications you need, helping to minimise waste and ensure maximum efficiency. Faster times to project completion allow you to deliver on larger projects, meeting deadlines and exceeding customer expectations. Localised production enables a lower carbon footprint, with reduced flights and shorter journeys. Choosing UK manufacturing means you get the quality, reliability and speed you need to succeed in today's fast-paced business environment.



Design & Engineering

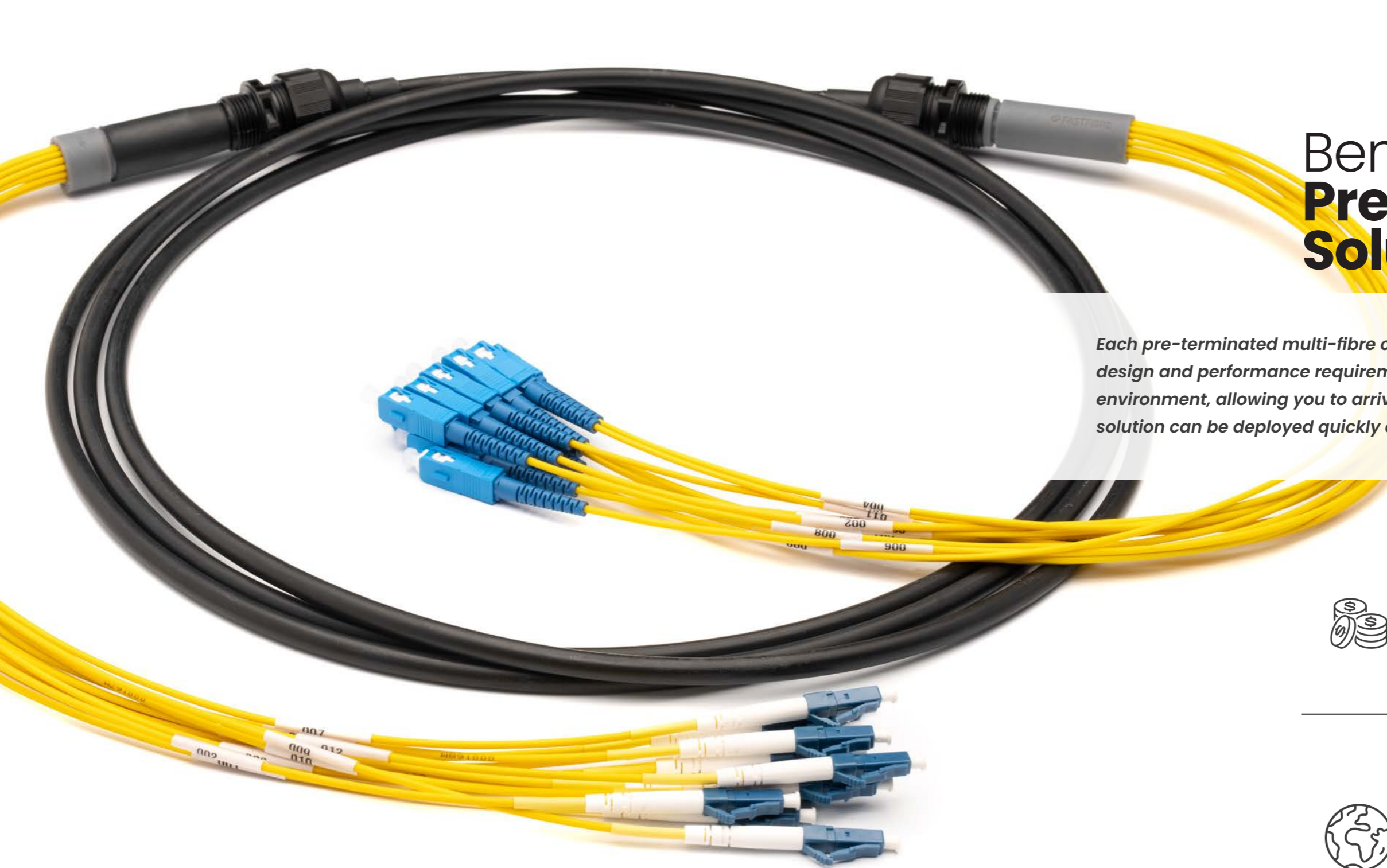
We work alongside our customers in the design and engineering of project specific products, providing the desired solutions to meet their requirements. One example of this is our fibre manifold that makes efficient use of space and allows for quick installation. These, coupled with our uniquely design of patch panel, create an unrivalled solution to fibre management.



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Our team of highly skilled technicians operate in our UK production facility. The team use proven techniques and a controlled process to ensure high quality and fast turnaround times.



Benefits of Pre-Terminated Solutions

Each pre-terminated multi-fibre cable is custom built to your specific design and performance requirements, application and installation environment, allowing you to arrive on-site confident that the correct solution can be deployed quickly and efficiently.

Cost Effective



Improved project return on investment (ROI).

Reduced Environmental Impact



Made to order assemblies means no excess materials or waste produced from on-site splicing and termination.

Fast Installation



No specialist tools, training or consumables, splicing or terminating required on-site.

Save & Improve →

Save time, reduce material costs, less waste, shorter downtime, no specialised on-site equipment or training.

Increase performance, deliver larger projects.

Features & Applications of Pre-Terminated Solutions

Whether you need to connect equipment in a data centre, extend your network across a campus, or provide reliable connectivity in either internal or external environments, pre-terminated fibre assemblies are the perfect solution.



High Performance Connectors

Ensures optimum optical performance.



Made to Measure

Made to measure assemblies means no excess materials or waste produced.

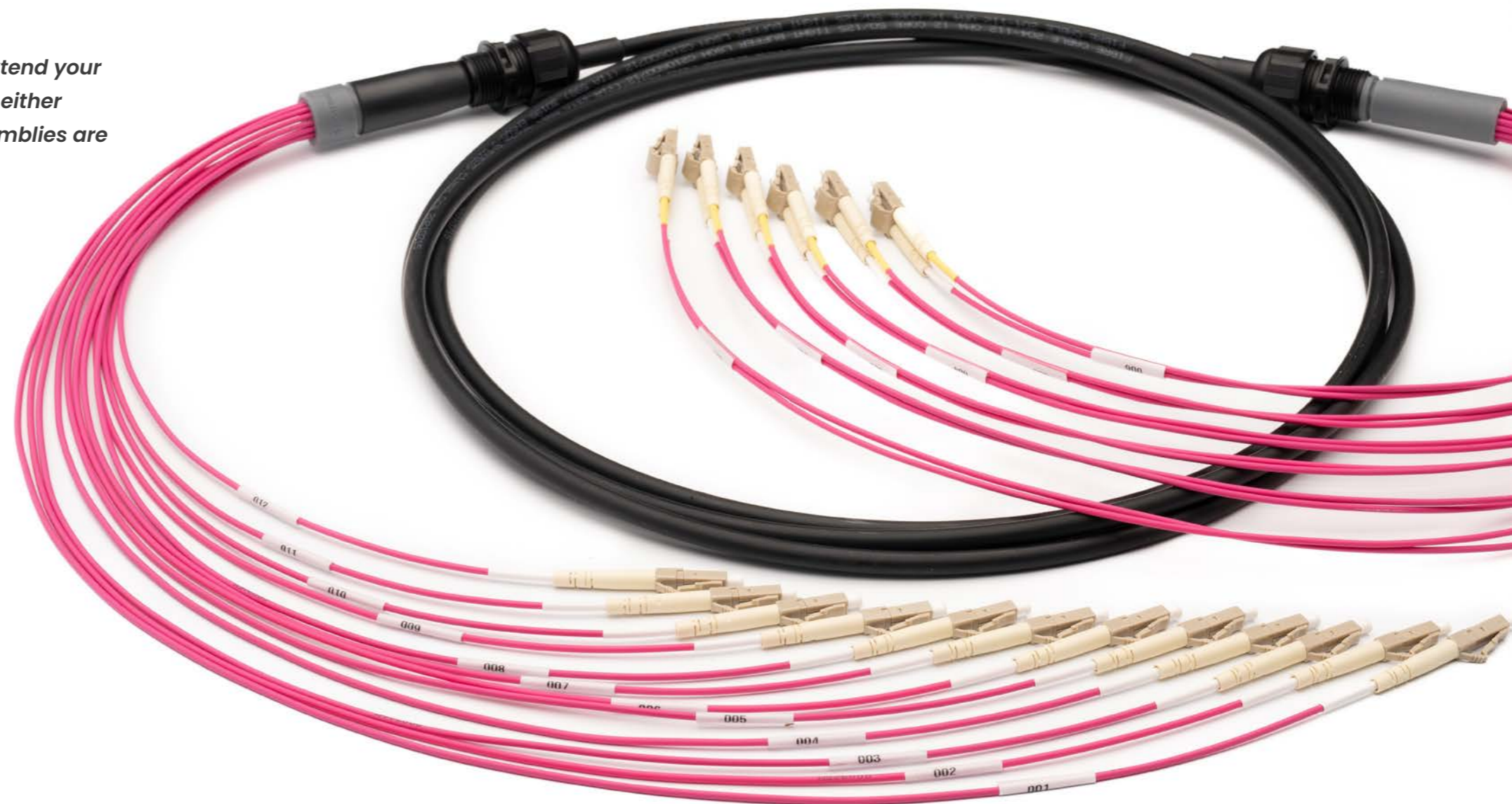


Individual Test Results

Additional Fluke, visual inspection and interferometer results available.

Install with Confidence

Configure the pre-terminated assemblies to best suit your application.
Arrive on site confident that the correct solution can be deployed quickly and efficiently.



Pre-Terminated Assembly Applications

- Data Centre, SAN & Enterprise networks
- Campus & site networks
- Remote locations including mine-sites & drilling fields
- Environments where splicing equipment is restricted
- Installations requiring rapid turn around
- Plug and play networks

Introducing our Pre-Terminated Solutions

M20 Cable Gland

Allows the cables to be mounted into pre-drilled holes, while offering excellent strain relief and cable protection.

Protective Tube

Offers excellent protection to staggered tails and also features a high strength pulling eye.

Pulling Eye

A high strength pulling eye allows for fibre cables to be pulled through ducts or others specs for installation.

Staggered Tails

Our standard tail configuration. Staggered tails are supplied in protective tubing, offering guaranteed protection during transportation and installation.



Recyclable Cable Drum

Any assemblies greater than 50m in length are supplied on a wooden cable drum.

FastFibre Manifold

Directly compatible with our fibre patch panels, the FastFibre manifolds provide an unrivaled solution to fibre management.

Ruggedised Tails

2mm and 2.4mm tails provide extra protection and allow for directly plugging into equipment.

Fan-out Tails

Also known as straight tails, are supplied in a protective bag/bubble wrap.



Product shown is singlemode LC Uniboot to LC Uniboot, just one example of our pre-terminated solutions. Other options are available.

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.



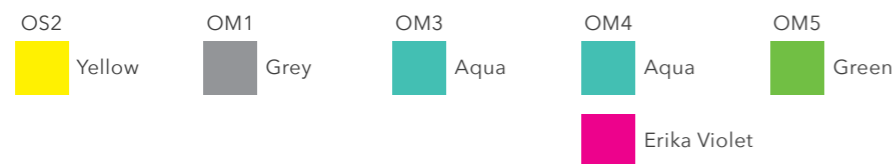
Applications

- 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



*bespoke options available upon request



Tight Buffered

Options

	Singlemode		OS2				
Fibre Type	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.

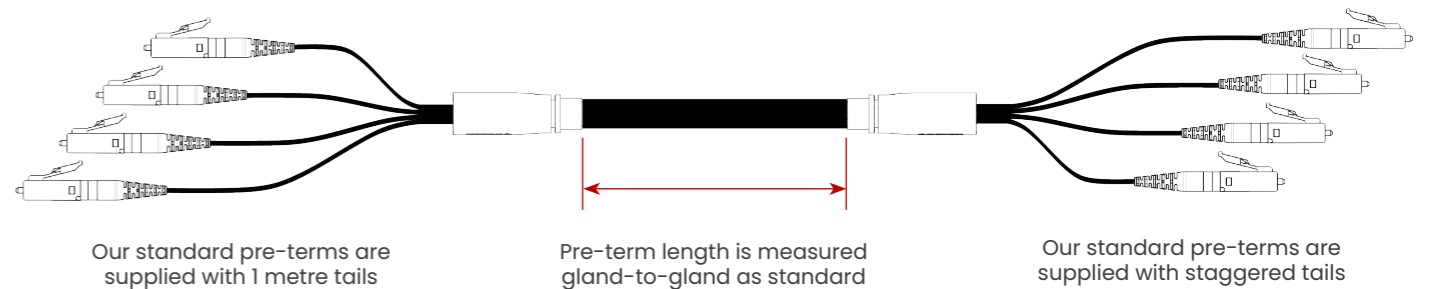
Tail Configuration



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.

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.



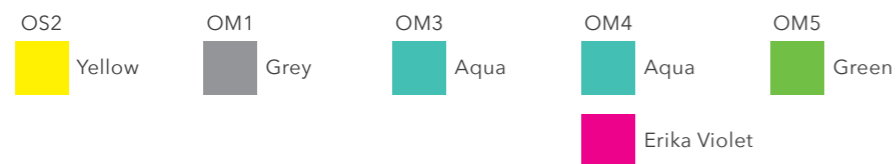
Applications

- 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



Loose Tube

Options

	Singlemode		OS2				
Fibre Type	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.

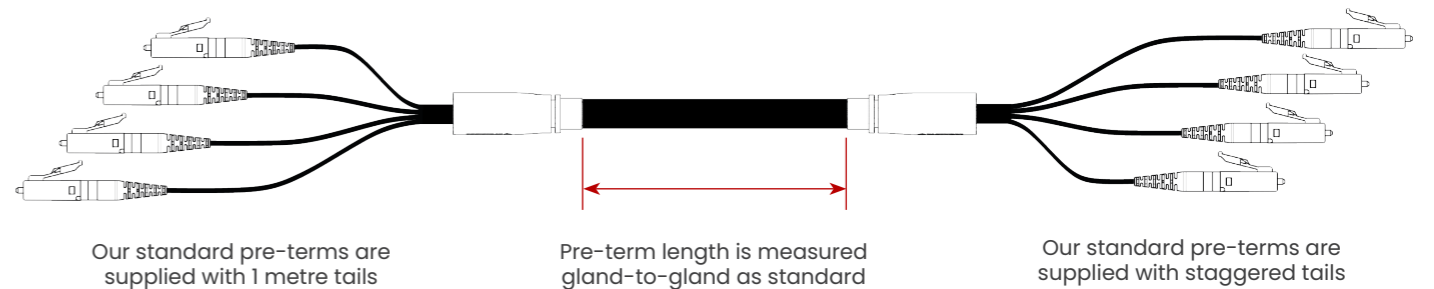
Tail Configuration



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.

Steel Wire Armoured Pre-Terminated Fibre

Overview

A steel wire armoured fibre optic cable, also known as SWA cable, is a type of optical fibre cable that is designed for rugged environments. These cables have a central tube containing individual fibre strands that is surrounded by layers of steel wire and a tough outer jacket. The steel wire armoring provides additional protection against physical damage, such as rodent bites or crushing, while the outer jacket is resistant to moisture, UV radiation, and temperature changes. SWA cables are commonly used in applications such as power distribution, railway systems, and mining, where protection against harsh outdoor conditions is essential.



Applications

- Indoor & Outdoor
- Harsh environments
- Suitable for direct burial
- Inter-site connections

Features

- Excellent crush resistance
- Rodent resistant
- 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



Steel Wire Armoured

Options

Fibre Type	Singlemode		OS2			
	Multimode	OM1*	OM3	OM4	OM5	
Fibre Count	4	8	12	16	20	24
Connector Type Multimode/Singlemode	LC/UPC	SC/UPC	FC/UPC	ST/UPC	E2000/UPC	
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.

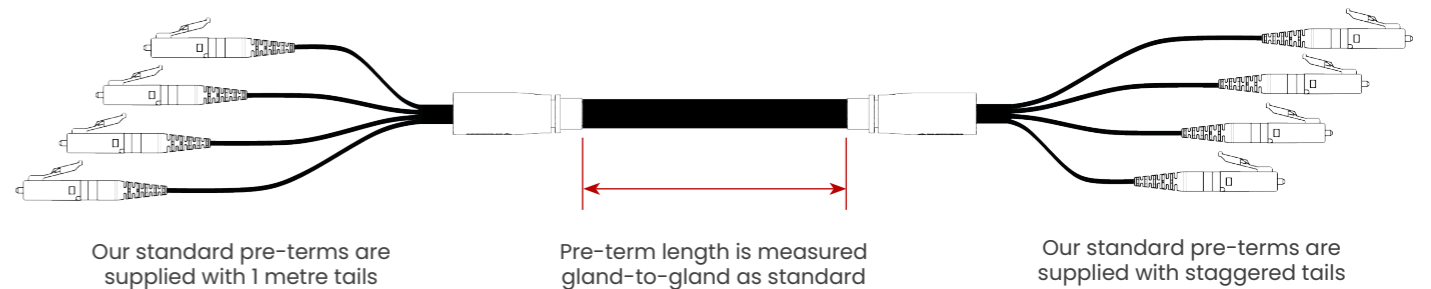
Tail Configuration



Cable Construction

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

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



Customer specific configurations are available upon request.

Steel Tape Armoured Pre-Terminated Fibre

Overview

A steel tape armoured fibre optic cable, also known as STA cable, is a type of optical fibre cable that is designed for rugged environments where protection against physical damage is essential. These cables have a central tube containing individual fibre strands that is wrapped with a layer of steel tape, which provides additional protection against crushing, impacts, and other types of physical damage. The steel tape layer is then covered with a tough outer jacket that is resistant to moisture, UV radiation, and temperature changes. STA cables are commonly used in applications such as power distribution, railways, and offshore oil and gas platforms, where they need to withstand harsh environmental conditions.



Applications

- Indoor & Outdoor
- Harsh environments
- Suitable for direct burial
- Inter-site connections

Features

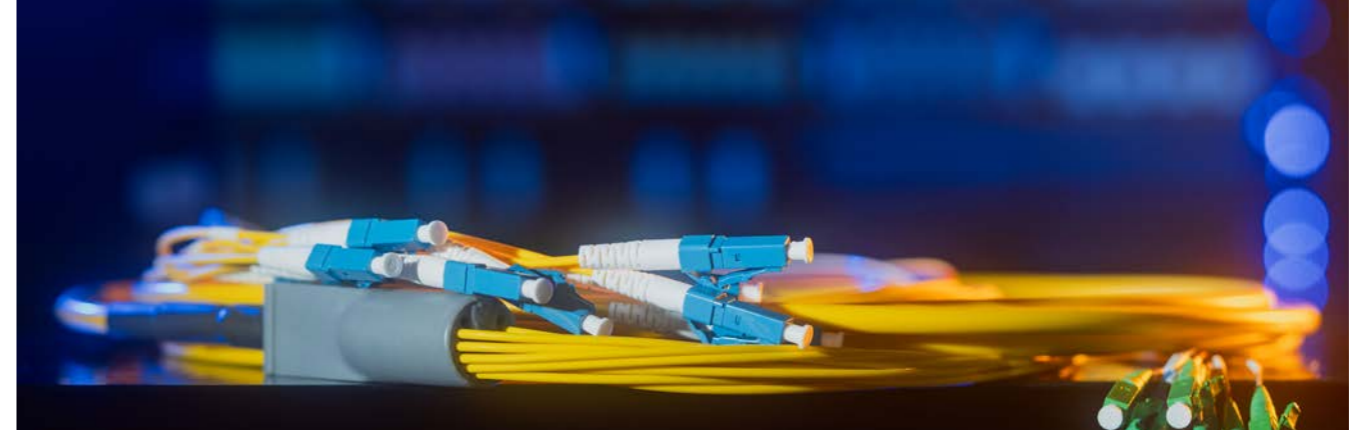
- Excellent crush resistance
- Rodent resistant
- Available with 2mm or 2.4mm tails
- Made to measure to your requirements
- Manufactured in the UK



STANDARD RUGGEDISED TAIL COLOURS

OS2 Yellow	OM1 Grey	OM3 Aqua	OM4 Aqua	OM5 Green
			Erika Violet	

*bespoke options available upon request



Steel Tape Armoured

Options

Fibre Type	Singlemode		OS2			
	Multimode		OM1*	OM3	OM4	OM5
Fibre Count	4	8	12	16	20	24
Connector Type Multimode/Singlemode	LC/UPC	SC/UPC	FC/UPC	ST/UPC	E2000/UPC	
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.

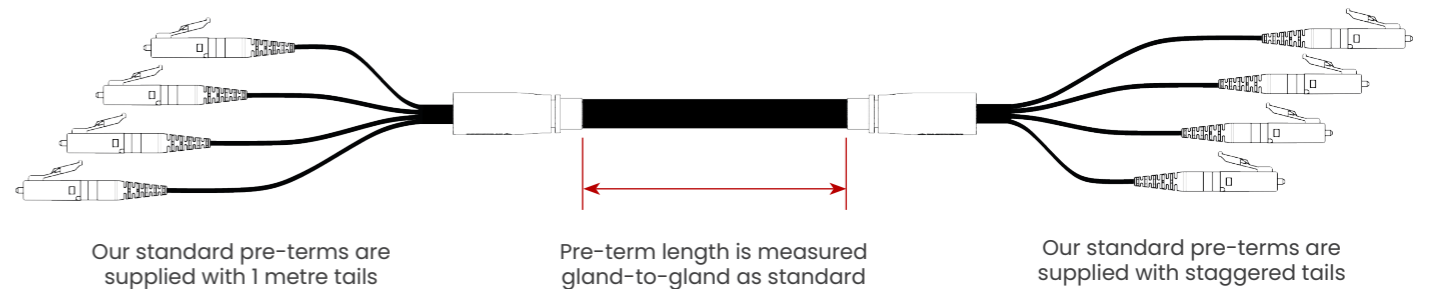
Tail Configuration



Cable Construction

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

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



Customer specific configurations are available upon request.

Mil-Tac/Re-deployable Pre-Terminated Fibre

Overview

Mil-Tac or re-deployable fibre optic cables are specialised fibre optic cables designed for military and rapid-deployment applications where fast and reliable communication is essential. These cables are typically compact, lightweight, and easy to transport, making them ideal for use in harsh environments such as battlefields, disaster zones, and other emergency situations. They are built with ruggedised materials to withstand extreme temperatures, moisture, and physical shock. Re-deployable fibre optic cables can be quickly installed, dismantled, and reinstalled in different locations, making them a versatile and reliable choice for military and other demanding applications.



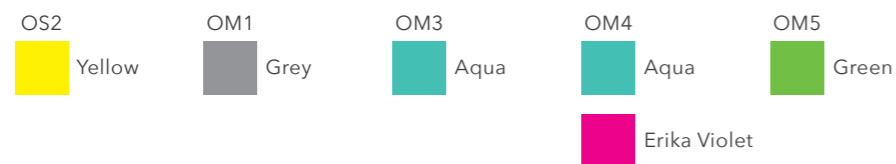
Applications

- Indoor & Outdoor
- Harsh environments
- Suitable for rapid re-deployment
- TV and broadcast

Features

- Screw on/off protective pulling tube
- Re-usable cable/skeleton reels
- Available with 2mm or 2.4mm tails
- Made to measure to your requirements
- Manufactured in the UK

STANDARD RUGGEDISED TAIL COLOURS



*bespoke options available upon request



Mil-Tac/Re-deployable

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	SC	FC	ST	E2000/UPC			
Tail Options	LC/APC	SC/APC	FC/APC	ST/APC	E2000/APC			
	900 µm	2 mm	2.4 mm					

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

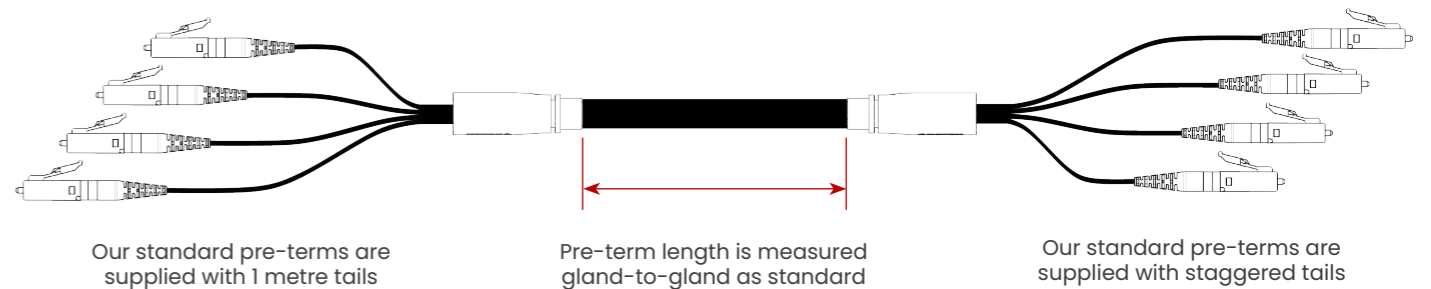
Tail Configuration



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.

Product Design & Development

Optical Fibre Manifolds

We work alongside our customers in the design and development of project specific products, providing the desired solutions to meet their requirements. Our fibre manifolds, developed in-house, make efficient use of space and allow for quick installation. These, coupled with our most recent design of patch panel, create an unrivalled solution to fibre management. Our manifold's compatibility with our panels eliminate the need for cable glands, by simply slotting into the back and clicking securely into place.



FastFibre manifolds ranging from 2 fibre - 24 fibre

Our manifolds are engineered to ensure the secure transition of the fibre cores from cable to 2mm or 2.4mm tails, configurable to suit fibre counts from 4 to 96.



96 fibre FastFibre manifold

48 fibre FastFibre manifold

PRE-TERMINATED OPTICAL FIBRE CABLES

Singlemode & Multimode

Tight Buffered, Loose Tube, Steel Wire Armour, Steel Tape Armoured, Mil-tac & Re-deployable

Choice of Connectors

LC, SC, ST, FC, E2000 as standard

Staggered & Fan-out

Tails Options

MTP®/MPO

Trunks, Patch cords, Breakouts



Next Generation 1U Sliding Patch Panels

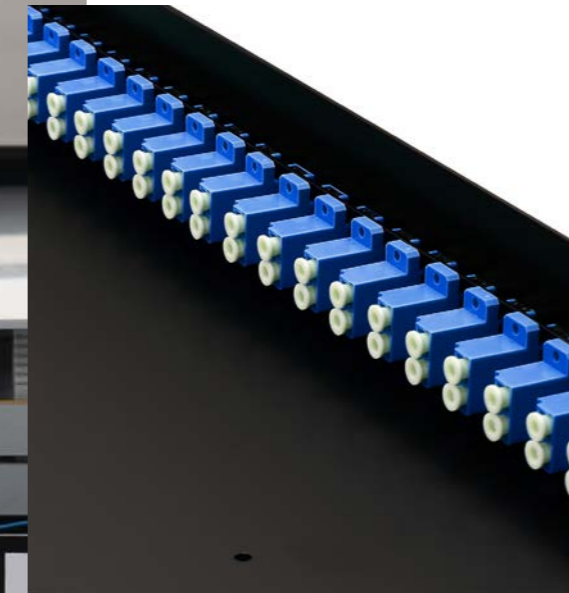
Our optical fibre patch panels are designed to seamlessly integrate with our pre-terminated assemblies, providing a hassle-free and efficient solution for fibre optic installations. By offering a plug-and-play approach, our pre-terminated fibre assemblies simplify installation processes, reduce deployment time, and guarantee reliable connectivity between the patch panel and the network infrastructure.



1U 19" patch panels come in black as standard - alternative colours available to order

45° Locking Angle

This provides the perfect working platform for simple installation or easy maintenance and access even after the panel is installed in the rack.



Features & Benefits

- LC, SC, ST, FC or E2000 adaptors.
- Robust, lightweight construction, made from 1.2mm cold rolled steel.
- Screen powder coated for superior finish and durability.
- Recessed adaptors and mounting ears to maximise space for patching.
- Large port identification write-on fields.
- Interchangeable front plate for maximum flexibility.
- Easy style mounting ears, with fixing points for universal front management.
- M20 cable entry more commonly used, moved to exterior to improve routing into panel.
- Easy slot feature allows direct attachment of FastFibre breakout manifold.
- Strength member tie point mounting positions or bend radius management.
- Centre post or DIN style splice tray mounting positions.
- Inner recessed plate designed to hold adaptors tighter (no screws).
- Pull, push mechanism to lock and release sliding panel.
- Supplied with fibre management kit, also available separately.

Up to 96 Fibres

FastFibre sliding patch panels are designed with an emphasis on ease-of-use and access. They allow for up to 96 connections per 1U (LC Quad). The panels are available empty, preloaded or configured with blanks and cable management to suit customer requirements. Their shallow depth allows for installation in all standard 19" racks and wall mount enclosures.



Available **Pre-loaded** fully populated with adaptors and pigtails

The "preloaded" concept saves the installer valuable installation time and reduces on-site packaging. Further enhancements include the supply of a factory terminated and tested assemblies that can be preloaded into the panel and packaged for shipment to site, again saving valuable on-site install time.

Complete Tray Release

When moved to the side the rear will pass the latch point to allow the tray to be removed with the gland or manifold in place. With existing products, the gland can only be fitted with the entire panel removed from the rack and then the tray removed.

FASTFIBRE

Our fibre manifold makes efficient use of space and allows for quick installation. These, coupled with our most recent design of patch panel, create an unrivalled solution to fibre management. Our manifold's compatibility with our panel eliminates the need for glands, by simply slotting into the back and clicking securely into place.



Packaging our Pre-Terminated Solutions



We take great care in providing substantial protection when packaging our pre-terminated assemblies, ensuring that they arrive on site ready to install while maintaining peak optical performance. Multiple layers of packaging guarantee protection from transportation hazards, external elements, bending and twisting. This gives our customers the confidence that the correct solution can be installed efficiently on arrival.



Packaged to Protect

Pulling tubes and expandable socks provide maximum protection to tails.



Supplied on Cable Drum or Coiled

Depending on assembly length, it will be supplied on either a drum or coiled.



Individual Test Results

Detailed test results are supplied as standard, ensuring quality and confidence.

Standard Assemblies

- <50 metre assemblies are supplied as a coil.
- >50 metre assemblies are supplied on a drum.
- All pre-terms labeled or as per customer specification.
- Test results supplied - confirming; length, description, ID, made by and relevant losses.

Considering the Environment

- We do our utmost to minimise the effect that our packaging solutions has on the environment, while maintaining maximum protection.
- Our pre-terminated solutions are always supplied on recycled wooden cable drums when possible. An exception is our re-deployable option (pictured below), supplied on a reusable plastic reel with screw on/off pulling tubes.
- All pre-terms are packaged in recyclable boxes (size may vary depending on assembly size).



Ready to
**Install on
Arrival**

Our pre-terminated assemblies are carefully packaged to ensure they are properly protected during transit.

Arrive on site confident that the correct solution can be deployed quickly and efficiently.

Complete Fibre Cleaning Kit



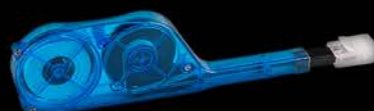
INSTALLATION & MAINTENANCE

A fibre optic cleaning kit suitable for installation and maintenance has all the cleaning supplies necessary for 1.25mm, 2.5mm and MPO end-face cleaning.



ORGANISATION ON-SITE

Supplied in a robust Peli case ensuring long life, protection and organisation on-site.



Optical Fibre Cleaning

Proper cleaning of optical fibre cables is of utmost importance to ensure optimal performance and reliability in fibre optic systems. Over time, contaminants such as dust, dirt, oils, and moisture can accumulate on the fibre connectors and end faces, leading to signal loss, increased reflectance, and potential network failures. Thorough cleaning is essential to maintain low insertion loss, minimise signal degradation and prevent costly downtime.

800+ Cleans



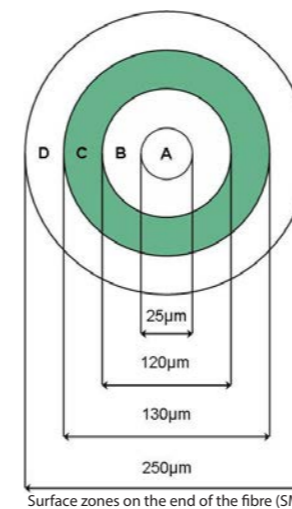
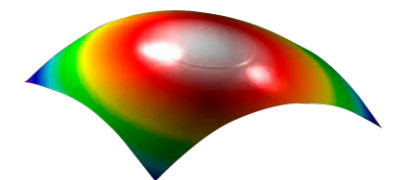
800+ Cleans



The core cleaner cleaning tools are designed to clean a wide variety of connector types (e.g. SC, ST, FC, LC, MU, E2000, MPO/MTP, MTRJ, Duplex LC, ODC, LEMO 3K.93C series connectors, etc) either directly, when mounted in an adapter or a receptacle, all with a simple single-action cleaning system (push/release). This handy tool is effective with a variety of contaminants and with over 800+ cleaning cycles per unit, meaning it has a remarkably low cost per clean.

Surface Geometry

The surface quality of the fibre end plays a crucial role in determining the transmission properties and service life of a connector. Dirt can and will permanently damage the surface and often causes changes in the connector geometry. If one considers that connectors in the region of 250µm are elastically deformed by the contact stress, it is clear that a dirt particle will generate enormous forces at specific points and is capable of permanently damaging the optical fibre and/or the bonding gap.

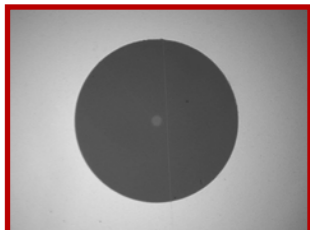


Surface zones on the end of the fibre (SM)

- Zone A: No scratches or pits permitted. 25µm is three times the core diameter. Therefore, the zone must be checked especially carefully.
- Zone B to C: Small scratches and cavities may be permitted. Here, too, absolutely no dirt must be present.
- Zone D: Although this is already the ferrule region, this zone must still be checked as it is also part of the transmission area due to the contact stress on the connector. The interferometry test also registers a diameter of 250µm.

Clean Fibre Optics Optimum Performance

Scratches through zone A



Possible causes:

- Manufacturing defect
- A dirt particle on the cleaning device has scratched the ferrules
- Replace the connector (IEC 61300-3-35) or regrind it if possible

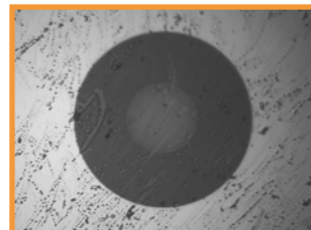
Scratches through zone B



Possible causes:

- Manufacturing defect
- A dirt particle on the cleaning device has scratched the ferrules
- As the scratches are clearly <math>< 3\mu\text{m}</math>, the connector can be used (IEC 61300-3-35)
- If the problem reoccurs, use a new cleaning cloth

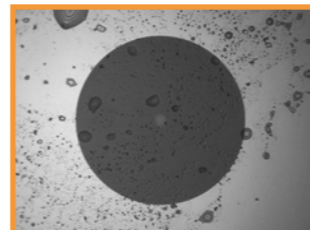
Alcohol



Possible causes:

- Connector was cleaned but too much alcohol was used or the connector was not wiped on a dry cloth
- It is also possible that there is alcohol in the adapter (or microscope!) or on the opposing connector
- Clean the endface of the connector
- If necessary, clean the adapter/microscope

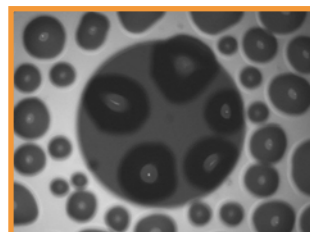
Grease



Possible causes:

- Connector endface has come into contact with skin
- Dirty dust caps
- Dirty microscope
- Clean the connector endface AND the ferrule mantle
- If the connector is not plugged in immediately, use new dust caps
- Clean the microscope if necessary

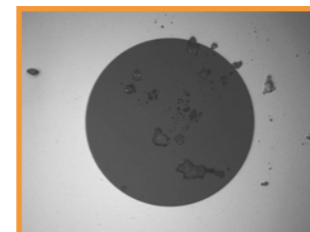
Oil



Possible causes:

- Unsuitable cleaning agent
- Dirty dust caps
- Dirty microscope
- Clean the connector endface AND the ferrule mantle
- If the connector is not plugged in immediately, use new dust caps
- Clean the microscope if necessary

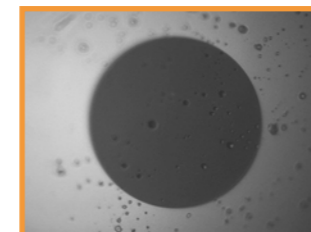
Dirt Particles



Possible causes:

- Connector has no dust cap
- Dirty dust caps
- Dirty microscope
- Clean the connector endface AND the ferrule mantle
- If the connector is not plugged in immediately, use new dust caps

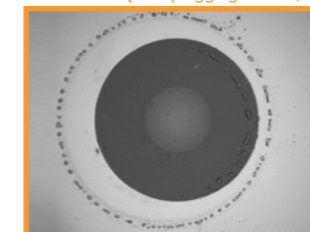
Water



Possible causes:

- Unsuitable cleaning agent
- Dirty dust caps
- Dirty microscope
- Clean the connector endface AND the ferrule cladding
- If the connector is not plugged in immediately, use new dust caps

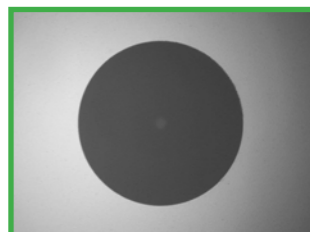
Water (after plugging in once)



Possible causes:

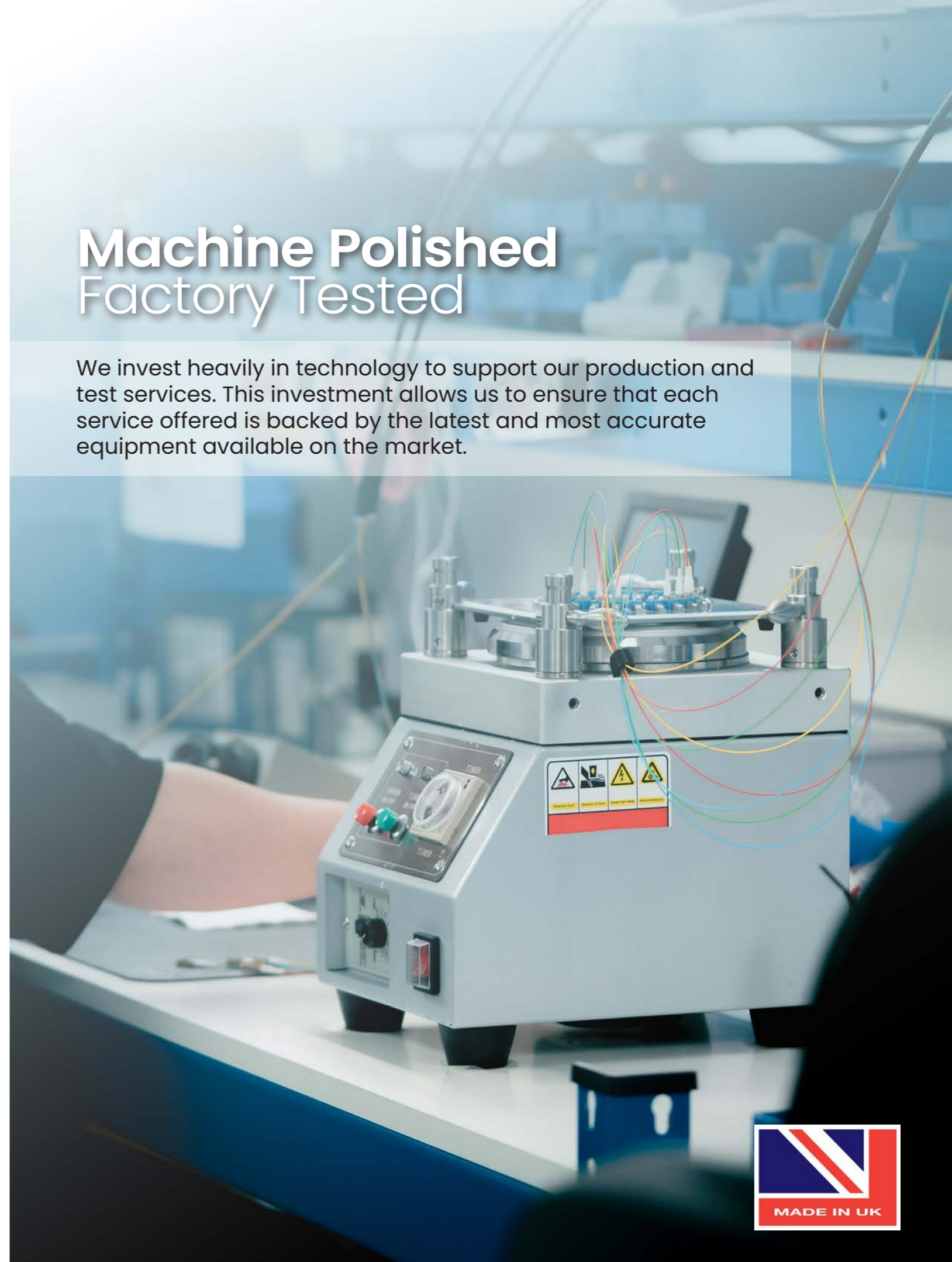
- Dirty connector plugged in
- Dirty adapter
- Dirty mating connector
- Clean the connector endface and ferrule mantle on both connectors and the adapter

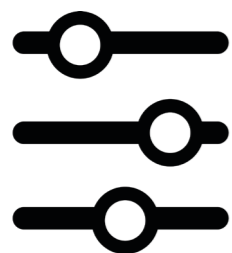
PASS



Machine Polished Factory Tested

We invest heavily in technology to support our production and test services. This investment allows us to ensure that each service offered is backed by the latest and most accurate equipment available on the market.





How to Order Pre-Terminated Solutions

The 7 steps outlined below will provide us with the minimum required information to build your bespoke pre-terminated assemblies. Please note that our pre-terminated assemblies will be manufactured with standard options unless specified on your order.

1 Fibre Count

2 / 4 / 8 / 12 / 16 / 24 / 48 / 96

(Maximum fibre count is dependant on cable construction)

2 End A Connectors

LC / SC / ST / FC / E2000 / LCA / SCA / FCA / E2A

3 End B Connectors

LC / SC / ST / FC / E2000 / LCA / SCA / FCA / E2A / NONE

4 Fibre Type

OM1 / OM3 / OM4 / OM5 / OS2

(OM1 fibre is not held in stock but is available upon request)

5 Cable Construction

Tight Buffered / Loose Tube / Steel Tape Armoured / Steel Wire Armoured / Re-deployable

6 Tail Configuration

Fan-out / 900µm / 2.0mm / 2.4mm / Staggered / 900µm / 2.0mm / 2.4mm

(Standard tail length is 1m, unless alternative length is specified)

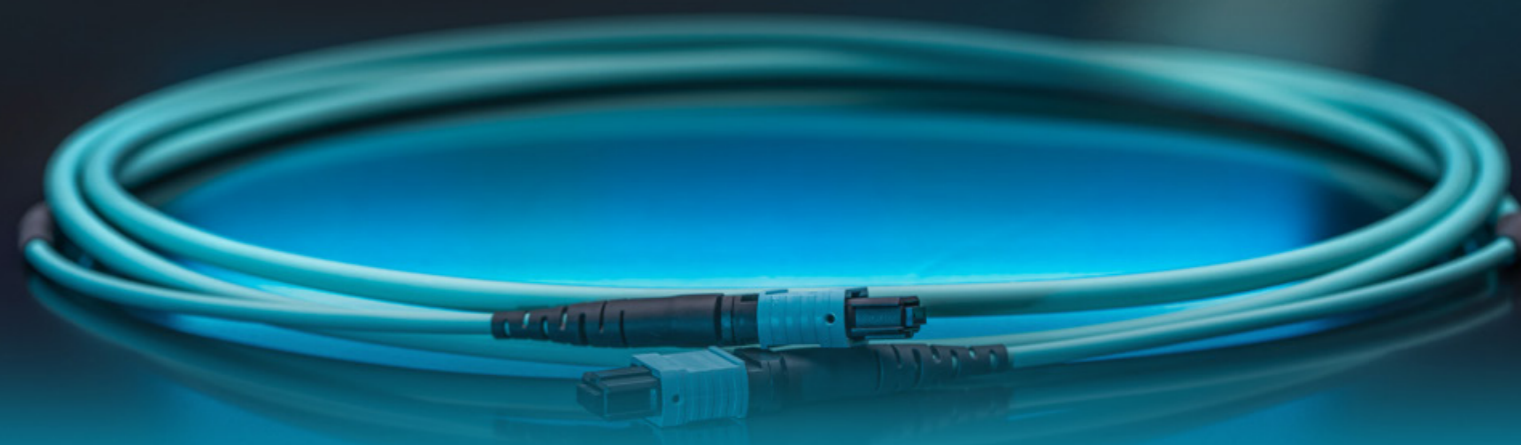
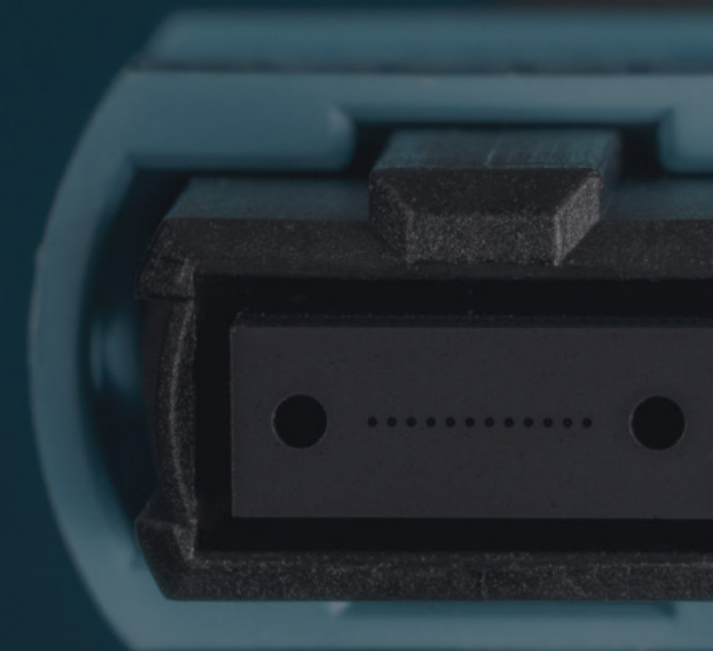
7 Length in Metres

Your required length in metres

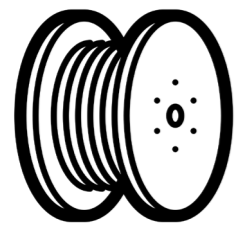
(Standard measurement is gland-to-gland, unless specified)



MTP®/MPO
UK Production



MTP®/MPO qualified technicians means we are able to manufacture a complete range of standard and custom products, including; patch cables, trunk cables and breakout cables. This allows for application led orders, while maintaining fast turnaround times.



Installing our Pre-Terminated Solutions

While it may not provide detailed step-by-step instructions for every scenario, these 5 steps offer valuable guidance to help you navigate through the installation process. Please note that specific installation requirements may vary based on your application and equipment.

1 Unpack

Unpack the pre-terminated fibre cable. If it comes on a reel, remove the drum from the outer packaging and remove the cellophane from the coiled cable. Keep the bag with test results and gland nut. Cut the plastic cable tie to release the pulling eye.

2 Deploy

Deploy the cable carefully, preferably using an A-Frame or Roller for heavy armoured cables to prevent twisting. Refer to the datasheet for minimum bend radius and strain requirements.

3 Remove Protection

Remove the protective tubing by firmly gripping the second nut while loosening the first nut to release the clamp. Unscrew the second nut while holding the tube in place. Slide off the tube to reveal the terminated tails.

4 Install Cables

Insert the cables into the containment. If using a patch panel or breakout box, feed the cables through the 20mm entry hole. Secure them using the small nut provided (found in the test results bag). Arrange the fibre tails neatly and secure excess fibres within the fibre panel or box, ensuring there are no tight bends. For 900um tight buffered tails, use bunny clips or cable management for positioning.

5 Connect

Remove the dust caps from the connectors only when ready to plug them into the containment adapters or equipment. Be cautious not to touch the connector end faces to prevent contamination.

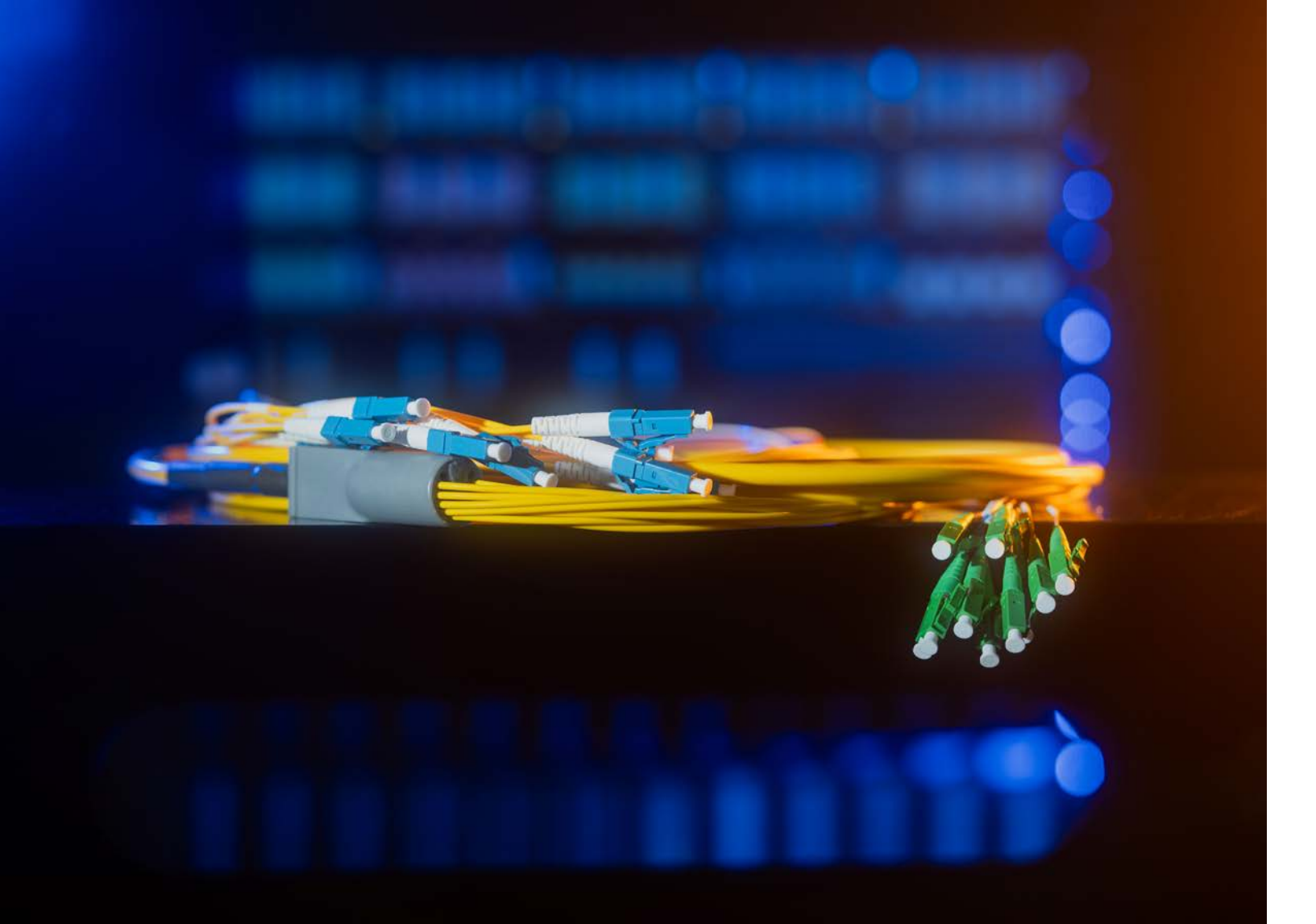
Optical Fibre Specifications

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
Complies with Specification Standard		IEC - EN 60793-2-50	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



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