

# Pre-Terminated Fibre Loose Tube

Pre-terminated fibre assemblies provide a fast, efficient and cost-effective solution, removing the need for on-site termination and specialist equipment. The loose tube design offers an optimal balance of strength and flexibility, with gel-filled protection safeguarding individual fibres from moisture ingress while allowing controlled movement within the cable for reliable performance in demanding environments.

With excellent water resistance and ruggedised construction, these assemblies are ideally suited to outdoor installations, duct environments and campus networks requiring seamless outdoor to indoor transitions. Fitted with ruggedised 2mm breakout tails, they support secure panel mounting or direct patching.

All assemblies are UK manufactured to your specification, ensuring consistent quality and a solution tailored to your requirements.



## Highlights



Quick & easy installation



Water blocking gel filled tube design



Lightweight design



Good level of rodent resilience



Manufactured in the UK

## Applications



Inter-building backbones

Inter-building links



Indoor & outdoor

Campus networks



Dry & submerged ducts

Staggered tails as standard (straight tails as option, as seen in image)

Simplex style connectors

20mm gland fitted as standard, ATEX approved gland available

Multiple 2mm ruggedised tails








*(Loose Tube assembly with LC connectors used for demonstration)*






## Configurable Options

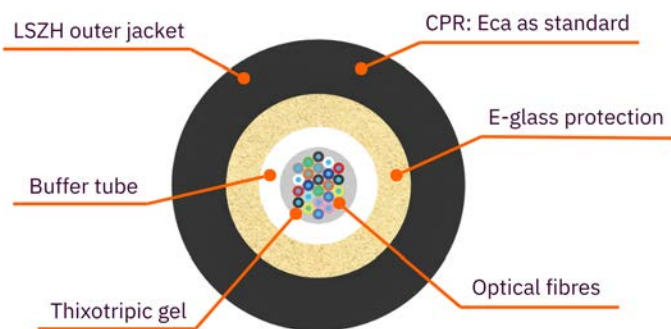
- Multimode OM1, OM3, OM4
- Singlemode OS2
- LC, SC, ST (PC) Connectors
- FC, E2000 & APC on request
- Hawke ATEX gland on request
- Up to 24 fibres

## Features

-  **2mm ruggedised tails**  
Enabling direct point to point patching, or use within a patch panel.
-  **LSZH outer jacket**  
Low Smoke Zero Halogen sheath for added assurance for internal routing.
-  **Water resistant cable**  
Gel filled cables with water blocking glass yarn, suitable for ducts prone to flooding.
-  **Strong protective pulling tube**  
Integrated pulling tube to support and protect fibres during installation.
-  **Lightweight design**  
Robust and lightweight, aiding handling and installation.

## Benefits

-  **Quick and easy installation**  
Pre-termination eliminates field termination or splicing, saving time and labour costs.
-  **Best suited for outdoor use & ducts**  
Designed to withstand harsh outdoor conditions, suitable for ducts prone to flooding.
-  **Custom made in the UK & fast turnaround**  
Factory terminated assemblies deliver lowest insertion losses and short lead times.
-  **Flexible and easy to route**  
Lightweight and compact 5.8mm cable (smaller diameter for a higher fibre count compared to tight buffered).
-  **Versatile applications**  
Gel filled tubes are ideal for indoor, outdoor and duct applications.



Cable Construction Specifications	
Diameter	5.8mm (4-12 fibres) 6.93mm (16-24 fibres)
Nominal Weight	2-24 fibres: 40 kg/km
Minimum Bend Radius	Install: 20D, Static: 10D
Max Crush Resistance	2000N/100mm <sup>2</sup>
Temperature Range	-30°C to +70°C

Fibre Mode	Fast Ethernet	1000Base-SX	10GBase-SR	40GBase-SR4	100GBase-SR10
Multimode OM1	2km	275m	33m	N/A	N/A
Multimode OM3	2km	800m	300m	100m	100m
Multimode OM4	2km	1100m	400m	150m	150m
Singlemode OS2	40km	100km	40km	40km	40km

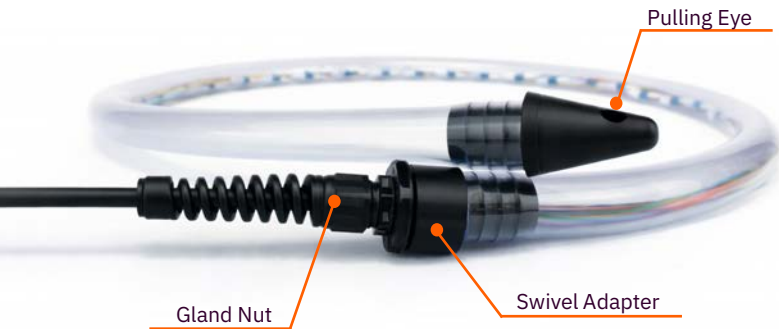
Connector Type	IL Typical	IL Max.	Return Loss
Single-mode UPC	<0.25dB	<0.35dB	≥50dB
Single-mode APC	<0.25dB	<0.35dB	≥60dB
Multimode UPC & APC	<0.25dB	<0.50dB	≥25dB

These specifications are taken from the manufacturer’s datasheet. If you need any additional technical details, including attenuation figures or further performance information, please don’t hesitate to [get in touch](#), we’re always happy to help.



## Protective Pulling Tube

Each cable is fitted with a robust protective tube to keep the connectors safe during shipping, handling and installation. The tube is designed to take the strain when the cable is pulled through ducts, protecting the fibre and connectors from damage under high tensile loads.



Tube Diameter	40.5mm widest point
Gland Nut	20mm
Pull force	400N

## Explore The Full Pre-Terminated Range

We offer one of the UK's largest range of pre-terminated fibre available to configure online, including tight-buffered, loose tube, CSTA and SWA, suitable for a wide variety of indoor, outdoor and direct burial applications.

Check out the video to see our full range [here](#).



## Why Choose Universal Networks Pre-Terminated fibre?



UK manufactured & factory tested



Custom made to your specification



Video guide for easy installation



Free delivery on orders over £200



Technical support & guidance

Universal Networks' pre terminated fibre solutions combine quality, flexibility, and expert support.

[Contact us](#) to discuss your requirements or configure your cable online [here](#)!