

# Pre-Terminated Fibre

## SWA (Steel Wire Armoured)

Pre-terminated SWA fibre assemblies are engineered to deliver exceptional strength and reliability in the most demanding environments, providing a highly robust solution where maximum protection is essential. The steel wire armouring offers outstanding crush and rodent resistance, ensuring long-term performance in harsh external and industrial applications.

With ATEX gland compatibility, these assemblies are ideal for marine, oil, gas, and hazardous environments. Supplied as a fully pre-terminated solution with 2mm ruggedised tails, they minimise on-site installation time and ensure consistent, high-quality connectivity from the outset.

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



Highlights



Quick & easy installation



Water blocking design



Exceptional crush & rodent resistance



Designed for harsh conditions



Manufactured in the UK

## Applications



Inter-building backbones

Inter-site connections



\*Indoor & outdoor

Campus networks



Ducts & direct burial

*\*Best suited for harsh outdoor use, but also suitable for indoor due to LSZH jacket*








*(SWA assembly with LC connectors used for demonstration)*

## Configurable Options

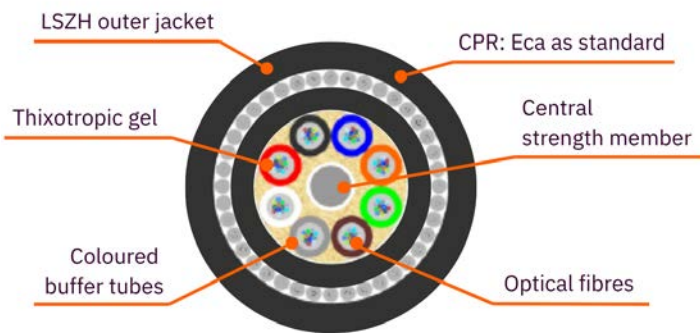
- Multimode OM1, OM3, OM4
- Singlemode OS2
- LC, SC, ST (PC) Connectors
- FC, E2000 & APC on request
- Hawke ATEX gland on request
- Up to 24 fibres

## Features

-  **2mm ruggedised tails**  
Enabling direct point to point patching, or use within a patch panel.
-  **Steel wire armoured**  
Offering enhanced protection for cables deployed in harsh environments.
-  **LSZH outer jacket**  
Low Smoke Zero Halogen sheath for added assurance for internal routing.
-  **Water blocking feature**  
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.

## Benefits

-  **Quick and easy installation**  
Pre-termination eliminates field termination or splicing, saving time and labour costs.
-  **Highest level of physical protection**  
Offering the highest level of crush and rodent resistance, suitable for extreme conditions.
-  **Suitable for outdoor, direct burial & ducts**  
Designed to withstand harsh outdoor conditions, including direct burial and ducts prone to flooding.
-  **Custom made in the UK & fast turnaround**  
Factory terminated assemblies deliver lowest insertion losses and short lead times.
-  **ATEX gland compatibility**  
Unwavering protection ensures safe operation in explosive atmospheres.



Cable Construction Specifications	
<b>Diameter</b>	10.8-11.2mm
<b>Nominal Weight</b>	4-12 fibres: 215 kg/km 18-24 fibres: 230 kg/km
<b>Minimum Bend Radius</b>	Install: 20D, Static: 20D
<b>Max Crush Resistance</b>	4000N/100mm <sup>2</sup>
<b>Temperature Range</b>	-40°C to +60°C

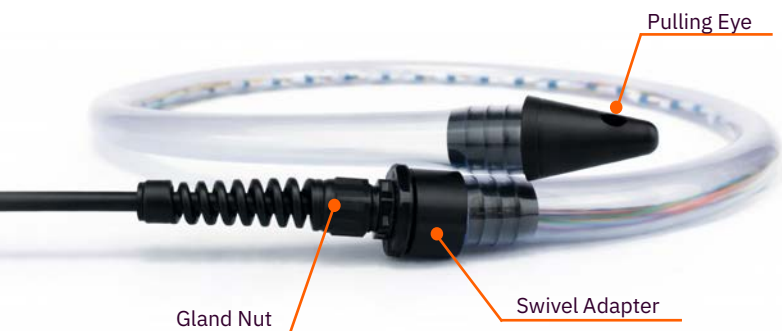
Fibre Mode	Fast Ethernet	1000Base-SX	10GBase-SR	40GBase-SR4	100GBase-SR10
Multimode OM1	2km	275m	33m	N/A	N/A
Multimode OM3	2km	800m	300m	100m	100m
Multimode OM4	2km	1100m	400m	150m	150m
Singlemode OS2	40km	100km	40km	40km	40km

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!](#)