

# Pre-Terminated Fibre

## CSTA (Corrugated Steel Tape Armoured)



Pre-terminated CSTA fibre assemblies are a perfect blend of strength and flexibility, offering a highly durable and rugged solution for demanding environments. The corrugated steel tape armouring provides exceptional mechanical and rodent protection, with excellent crush and moisture resistance, making it suitable for direct burial or harsh external installations.

The LSZH jacket also allows safe indoor use where required. Fitted with 2mm ruggedised breakout tails, this assembly delivers a robust, ready-to-install solution, reducing on-site labour and ensuring reliable long-term performance.

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



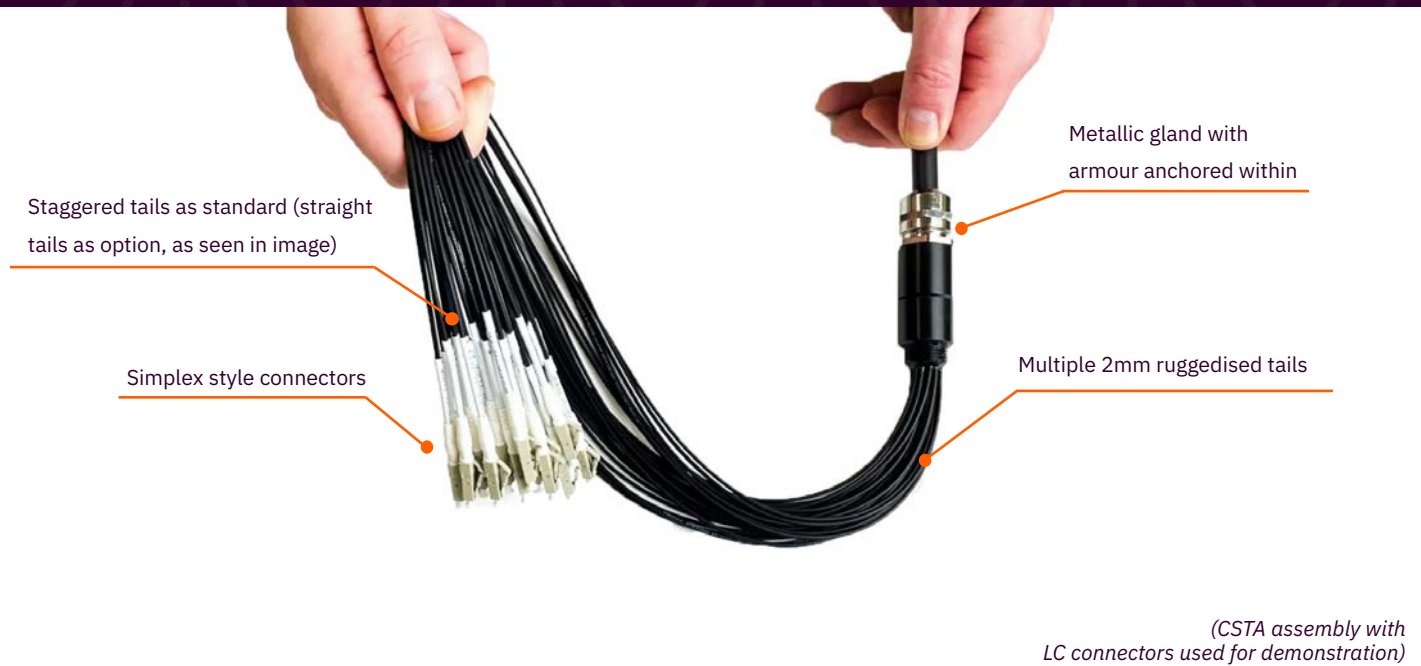
\*Indoor & outdoor

Campus networks



Ducts & direct burial






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



## Configurable Options

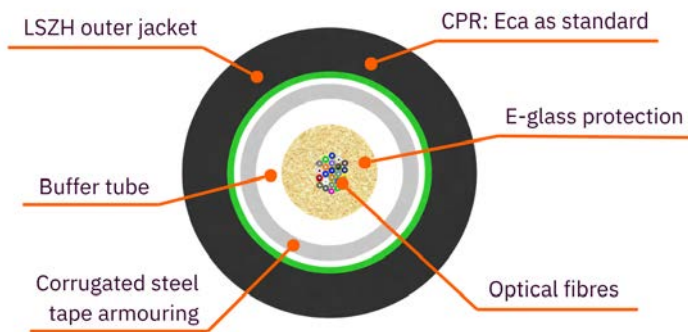
- Multimode OM1, OM3, OM4
- Singlemode OS2
- LC, SC, ST (PC) Connectors
- FC, E2000 & APC on request
- Hawke ATEX gland on request
- Up to 24 fibres

## Features

-  **2mm ruggedised tails**  
Enabling direct point to point patching, or use within a patch panel.
-  **Steel tape armoured**  
Offering enhanced protection for use within 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.
-  **Exceptional crush and rodent resistance**  
CSTA offers highest level of protection against rodent damage, crushing, and 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.
-  **Versatile solution**  
Strong by design, CSTA is suitable for use in a variety of outdoor settings, plus indoor use due to LSZH jacket.



Cable Construction Specifications	
<b>Diameter</b>	8.5mm
<b>Nominal Weight</b>	4-16 fibres: 75 kg/km 24 fibres: 85 kg/km
<b>Minimum Bend Radius</b>	Install: 20D, Static: 20D
<b>Max Crush Resistance</b>	3000N/100mm <sup>2</sup>
<b>Temperature Range</b>	-40°C to +70°C

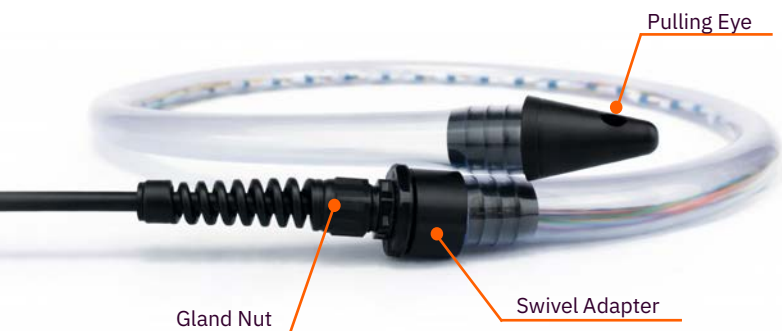
Fibre Mode	Fast Ethernet	1000Base-SX	10GBase-SR	40GBase-SR4	100GBase-SR10
Multimode OM1	2km	275m	33m	N/A	N/A
Multimode OM3	2km	800m	300m	100m	100m
Multimode OM4	2km	1100m	400m	150m	150m
Singlemode OS2	40km	100km	40km	40km	40km

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!](#)