Universal Networks

PRE TERMINATED FIBRE

Tight Buffered

Indoor & outdoor connectivity

MADE IN BRITAIN
By Universal Networks

APPLICATIONS

- Building backbones
- Risers & Horizontal
- Indoor & Outdoor
- Inter-Cabinet links (DC)
- Trays or non-submerged ducts

FEATURES

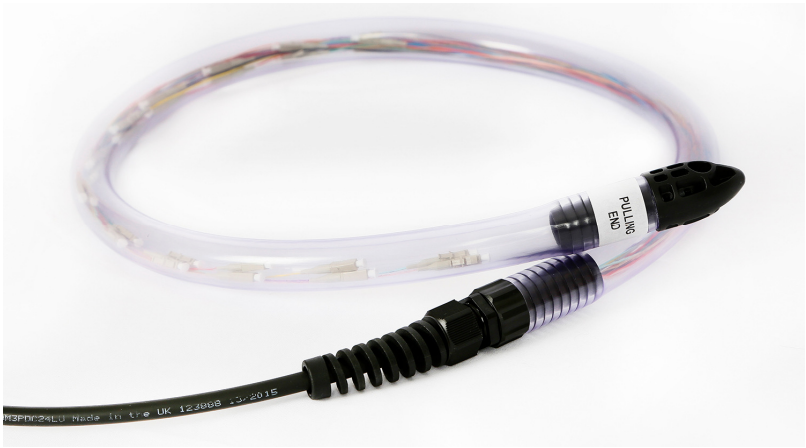
- 900µm terminated tails (2mm ruggedized optional)
- Strong protective pulling tube
- UV stable HFFR-LS sheath
- Metal-free, non conductive
- Compact - from 5mm diameter
- Lightweight - easy to handle

BENEFITS

- Quick & easy installation
- Can be used inside/outside
- Made in the UK
- Quick delivery
- Flexible cable is easy to route
- No special skills required

OPTIONS

- Multimode OM1, OM2, OM3 & OM4
- Singlemode OS1/OS2
- LC, SC, ST Connectors
- FC, E2000 on request
- Hawke Gland on request
- Up to 24 fibres



Indoor / Outdoor Pre Terminated Fibre

Our multi-fibre pre-terminated tight buffered cables are perfect for connecting networks in different buildings or reaching remote locations within the same building where noise, distance or bandwidth require the use of fibre optics.

The cable has non-wicking yarns which protects the fibre against light water infiltration that might be present in an underground duct, or in damp or moist conditions.

The outer sheath is HFFR-LS (Halogen Free Flame Retardent Low Smoke Zero Halogen) to IEC 60332-1-2.

We terminate high quality connectors directly onto the fibre (rather than splicing) to give superior insertion and return losses. The clean production environment enables us to maintain a consistent high quality termination and quick production times.

Each assembly is individually made and tested to your specifications. Simply choose the length, connectors (LC, ST, SC), number of fibre cores (4-24) and fibre type (Multimode or Singlemode) and we will make and ship it to you.

Free Delivery | **3-5 days** **Made to order** | **Technical support**

Pre Terminated multi-fibre cables can save time and money

Our Pre Terminated fibre optic cable allows a fibre optic network to be up and running in a fraction of the time taken by conventional on-site direct termination or fusion splicing. It requires no special installation skills or equipment and can be installed by non-specialist personnel, vastly reducing the installation costs.

Universal Networks UK Ltd **T: 01488 685800** **W: www.universalnetworks.com**

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Cable Specifications

These are extracted from the manufacturers specification sheet, further details such as attenuation figures are available on request.

Fibre Options	Multimode: 62.5/125 OM1, 50/125 OM2, OM3 & OM4 Singlemode: 9/125 OS1
Outer Jacket	Black, LSZH
Diameter	5.5mm - 8.9mm
Weight	33 - 78kg/km
Min Bend Radius (long term)	55mm - 89mm
Min Bend Radius (short term)	83mm - 134mm
Max Tensile Load (installation)	1000N - 2300N
Max Crush Resistance	1000N
Temperature Range (installation)	-20℃ to +60℃

Pulling Tube Assembly

A specially developed termination protection sleeve is fitted to each end of the cable assembly to protect the connectors during shipping and installation. A crimp ring is attached to the glass yarn strength members and this longitudinal strength is transferred to the pulling tube by the epoxy bonded cable gland, therefore able to withstand the high tensile loads applied when pulling cables through ducts. A pulling ring or fused swivel can be attached to the tube cap.

Protective Tube Diameter	30mm
Gland Nut	20mm
Tube Length	>0.3m + 40mm per connector

Connectors

These are staggered within the protective tube at 3-4 cm intervals, LC's can be paired off but ST and SC are arranged singly. The tails are 900µm fibre; we recommend that containment is used for each and of the assembly (a patch panel, wall box or ODF). If same length or 2mm ruggedized tails are required we can provide an alternative solution, please ask us for details.

Installation Instructions

After cable installation, the protective sleeves are removed and the connectors are threaded through the gland hole of any cable management enclosure. A gland nut is used to secure the cable gland in place. The connectors are simply connected to the adaptors inside the enclosure to complete the installation.

Detailed instructions are provided upon receipt of an order, we are also happy to explain the installation process on the phone.

Each assembly is fully tested and certified to ensure that the quality of the complete cable assembly is guaranteed before shipping to site. A Test Certificate is included.