



As technology advances fibre optic cabling is becoming an increasing necessity in the workplace.

**Fibre offers the user the option to run large packets over a greater distance than copper cable.**

Fibre is usually used for a backbone link which increases bandwidth levels for better video performance and 10 Gigabit transmissions.

At **assistTec** we provide the total fibre installation.



### **We offer the following fibre services**

- Single mode/ OS1: Ideal for long distance at high bandwidth
- Multimode/ OS2 and OS3: With the upcoming 10G network, bandwidth over distance is critical and the traditional Multimode Fibre (62.5µm OM1) is not suited. The new breed of Multimode fibre, 50µm OM3, is a better solution for the ever increasing demand for bandwidth
- Blown Fibre: This is a sophisticated method of installing the outer tube for the fibre, before the fibre is needed. Once installed the fibre can be blown at the convenience of the customer using very hi tech equipment



- Direct termination: Direct terminated connectors are designed for termination of indoor cables. Popular connector types are ST, SC, and more recently the more compact LC.



- Fusion splicing termination: pre-terminated pigtails are a length of fibre cord with your choice of optical connector factory terminated at one end. These pigtails are then fusion spliced in to the installed cable.

- FLUKE DSP 4000 series testing: The FLUKE gives an accurate measure of the total Db loss down the length of fibre. This is ideal if you just need to know if your fibre works or not. It doesn't print out all the graphs and technical data like an OTDR.



- Optical Time Domain Reflectometer (OTDR) testing: This provides a graphical view of the loss versus distance of the fibre. By testing with an OTDR, any fusion splice or connector interface along the length of a fibre link can be inspected individually to ensure it meets specification.



All our experienced engineers have the specialised equipment for the installation of fibre followed by terminating and testing. Once testing is finalised you will receive a completion pack with all the results for your peace of mind.

***For more information or for FREE quotation please feel free to contact us at [Info@assisttec.co.uk](mailto:info@assisttec.co.uk)***