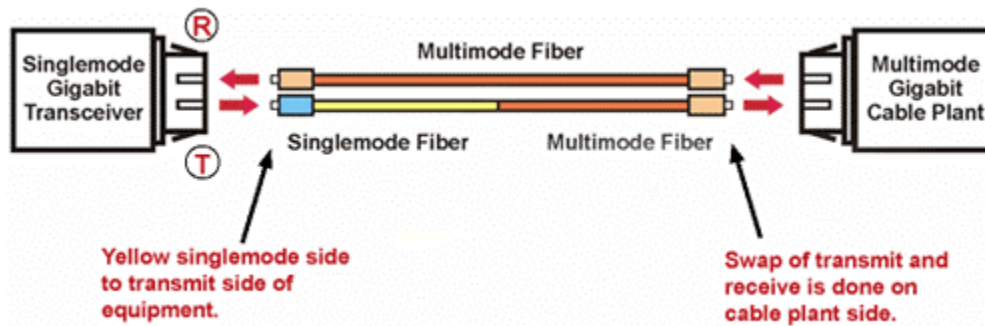


Things to know when using mode conditioning cables to patch an existing multimode cable plant to your Gigabit LX equipment.

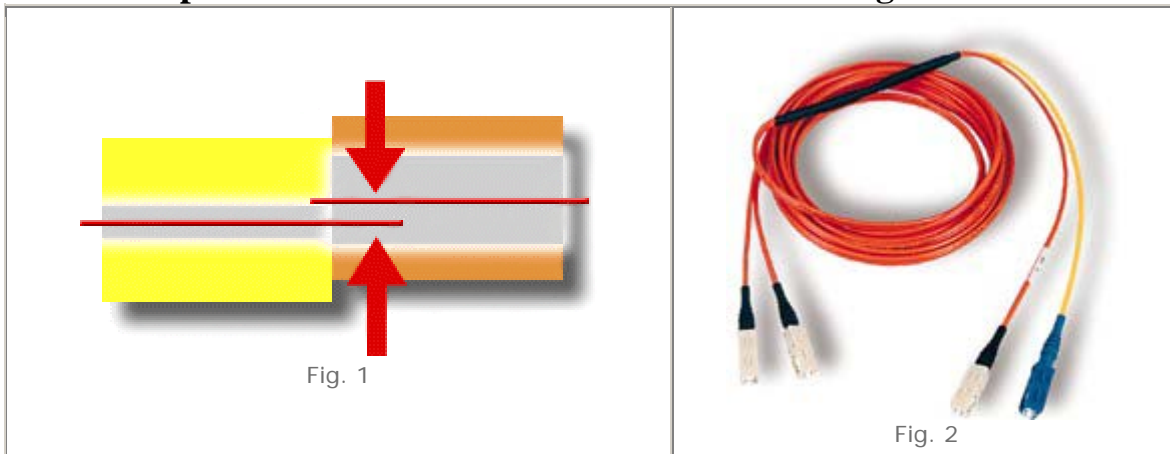
1) Mode conditioning cable are normally used in pairs. That means that you will need a MC cable at each end to connect the equipment to the cable plant. So then these cables are usually ordered in even numbers. The usual reason why someone may order one cable is so they may keep it as a spare.

2) If your gigabit LX switch is equipped with SC or LC connectors, please be sure to connect the yellow leg (Singlemode) of the cable to the transmit side, and the orange leg (multimode) to the receive side of the equipment. It is imperative that this configuration be maintained on both ends. The swap of transmit and receive can only be done at the cable plant side. (see diagram below)



3) Please see Frequently asked questions below for additional important information.

Principals and Basics on how a Mode Conditioning Cable works



The launch of the light coming out of the equipment begins on a Singlemode fiber . The Singlemode fiber is precision fusion spliced to the multimode fiber to a precise core alignment (see fig. 1). The light is launched on to the multimode fiber at a precise angle, giving the cable its mode conditioning properties . Looking at the mode conditioning cable assembly in figure 2, we can see that the fusion splice this protected by a black over-wrap. notice that on the right side there is an orange and a yellow cable. This is the side of the cable that connects to the gigabit equipment with the yellow Singlemode leg connecting to the transmit side .