

ABSTRAK

In general, the fiber optic cable structure consists of fiber optic network cables/cables optical fiber Transmission line or similar cable made of glass or plastic very fine and small than a strand of hair and can be used to transmit light signal from one place to another light source used usually a laser or LED this cable is approximately 120 micrometers in diameter This type of fiber optic adapter is available in single mode and multimode types, as well as simplex and duplex. SC fiber optic adapter with plastic housing, fusion splicer or often known as a tool to connect this optical fiber is one of the tools used to connect optical fiber, where The fiber is made of glass based and implements an electrical power that has been converted into a laser-shaped light medium, fiber optic cable structure different from the fiber optic cable is different from the copper multipair cable, if the copper cable is known as a pair or pair, then the fiber optic cable does not known as a pair or pair, In general, the structure of the fiber optic cable. Consists of tube and fiber. (or the general term in the field is called "core") on the tube and core To recognize the sequence is given a different color. the value of attenuation that is generated by fusion splice loss maximum 0.15dB, while the attenuation value for Maximum mechanical splice loss 0.2 dB, maximum attenuation value for Connector 0.25 dB (Individual), while the attenuation value for the Connector in pairs (termination) is a maximum of 0.2 dB