Abstrak

Fiber Optic Network Cable / Fiber Optic Cable transmission line or a type of cable made of glass or plastic that is very smooth and smaller than a single hair, and can be used to transmit light signals from one place to another. The light source used is usually a laser or LED. This cable is approximately 120 micrometers in diameter. This type of optical fiber 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 optical fiber is one of the tools used to connect a fiber optic core, where the fiber is made / glass-based, and implements an electrical power which has been converted into a laser-shaped media medium. Optical Fiber cable structure is different from copper multipair cable, if the copper cable is known as a pair or pair, the term pair or pair is generally unknown in fiber optic cables. Tube and Fiber (or the general term in the field is called "core"). On Tube and Core to recognize sequences are given a different color. The attenuation value generated by Fusion splice loss is a maximum of 0.15 dB, while the attenuation value for Mechanical splice loss is a maximum of 0.2 dB. The attenuation value for Connector is maximum 0.25 dB (Individual), while the attenuation value for Connector in pairs (termination) is a maximum of 0.7 Db

Keywords: Fiber Optic Network Cable, Fusion Splicer, Fiber Optic Adapter, Fiber Optic Cable based on color, Fusion splice attenuation