

Single/Double Jacket, All-Dielectric Self-supporting Aerial Loose Tube Fiber Optic Cable (ADSS)

Design / Overview

The construction of the Dielectric Circular Self-Supporting sheath is shown below. The Strength elements are stranded about the core or inner jacket to provide the cable with tensile strength. An outer PE sheath is extruded about the aramid strength elements. A standard HDPE sheath is utilized for aerial application in electric field that is less than 12 kV. Aerial Cable installed on transmission networks may be susceptible to a phenomenon known as dry band arcing where field potentials at the cable attachment points exceed 12 kV. For applications where the space potentials are expected to exceed 12 kV but remains below 25kV, an optional tracking resistant jacket can be offered

Applications

- Aerial use; self-supporting without a separate messenger
- Ideal for environments in which an all-dielectric cable is desired
- Ideal for transmission and distribution networks
- Direct use in ducts, enabling simple and cost-effective aerial-to-duct transitions

Features/Advantages or Optional

- Please refer to sub-heading "Features and Advantages"

