

## TMS / ITS - Approved Products List

### Fiber Optic Cable (Single Jacket Armored)

Fiber Optic Cable shall comply with USDA RUS Bulletin 1753F-601a (Minimum Specification Fiber Optic Cables); ANSI/ICEA S-87-640 and the following requirements:

- A.** Designed for outdoor and direct buried applications.
- B.** Cable jacket has markings at three-foot intervals showing the manufacturer, fiber count, part number, mode, and length.
- C.** Outside diameter of < 18 mm (0.708 inch)
- D.** Outer jacket is made of a Medium Density Polyethylene, with a nominal thickness of 1.3 mm (0.051 inch) and is applied over corrugated steel tape armor.
- E.** Ripcords placed under the armor.
- F.** Buffer Tubes
  - a. Are filled with a dry block compound.
  - b. Have an outside diameter ranging from 1.9 mm (.075 inch) to 3.0 mm (0.118 inch).
  - c. Contain 6 or 12 fibers for counts of 12 or less, and 12 fibers for counts greater than 12.
  - d. Are stranded around the dielectric central strength member using the reverse oscillation stranding process.
- G.** Has a dielectric central strength member.
- H.** The core is wrapped with dielectric water blocking strength members and materials.
- I.** Single Mode fiber shall meet the attributes of ITU-T G.652.D Table 2 and ITU-T G.657.A1 for low bend loss.