

## **Outdoor Fiber Splice Enclosure- Dome Style**

- A.** The enclosure shall be a non-filled re-enterable type designed for splicing both filled and non-filled loose tube fiber optic cables; suitable for below grade or direct burial use and be chemical resistant having the following characteristics:
1. Maximum dimensions- length 24", diameter 10".
  2. Accommodates 144 splices.
  3. Operational temperature rating of -40 to +60 C (-40 to 140 °F) or better.
  4. Composed of salt corrosion resistant, compatible materials not supporting galvanic cell action.
  5. Contains 6 cable entry ports that accommodate 0.35" to 1.00" diameter cables. Provides a water tight seal around cables that enter enclosure. The enclosure includes all plugs for unused cable ports.
  6. Provides strain relief for both cable jacket and strength members.
  7. The base to dome seal is accomplished via a compressed O-ring and a lock latch type clamp that provides a water proof, impact resistant seal for protecting fiber splices.
  8. Contains a Schrader valve to provide a pressurized flash test.
  9. Contains a buffer tube slack basket installed below the splice trays.
  10. Provides multiple feed through grounding posts necessary for grounding cable armor. Each post must accept a No.6 AWG copper grounding conductor.
- B.** Accessories must be available for 144 fiber splices which include:
1. Hinged trays that provide access to any splice without disturbing other trays or cable management; each tray hold 24 splices.
  2. Snap- on covers with manufacturer provided labels for fiber identification.
  3. Polyethylene transition tubes to protect the fibers.
  4. Includes ethylene vinyl acetate sleeves with stainless steel rods to protect the splices.