

## Outdoor Fiber Splice Enclosure- Dome Style (23x12)

- A.** The enclosure shall be a nominal **23 inches long X 12 inches diameter** in size; 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; be chemical resistant and have the following characteristics:
1. Accommodates 144 splices.
  2. Operational temperature rating of -40 to +60 C (-40 to 140 °F) or better.
  3. Composed of salt corrosion resistant, compatible materials not supporting galvanic cell action.
  4. Contains 6 cable entry ports that accommodate 0.35" to 1.00" diameter cables. Provides a water tight seal around cables that enter enclosure **using a compressed gel.**
  5. Provides strain relief for both cable jacket and strength members.
  6. 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.
  7. Contains a Schrader valve to provide a pressurized flash test.
  8. Contains a buffer tube slack basket installed below the splice trays.
  9. 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 holds **36** splices.
  2. **Splice modules that accommodate 6 single mode splices.**
  3. Snap- on covers with manufacturer provided labels for fiber identification.
  4. Polyethylene transition tubes to protect the fibers.
  5. Includes ethylene vinyl acetate sleeves with stainless steel rods to protect the splices.