Pre-formed Inductive Loops Specifications MODEL CG16MM

Application
Asphalt Overlay / Concrete Overlay with or without rebar / Cut-in

Conduit
Highly abrasion-resistant Polyurethane alloy cover
High tensile strength braided synthetic yarn reinforcement
Good flexibility over a wide temperature range
Minimum impact pressure of 3000 psi (20,680 kPa), minimum burst pressure of 1400 psi
Polyurethane alloy core tube
Superior resistance to oil, gasoline, salt, moisture and impact (class A)
Max. o.d. of 5/8" (16 millimeter), max i.d. 3/8"

Connection – Loop Head To Loop Lead-in
High tensile strength / high heat Polyurethane compression "T" (No wire splices)

Wire
Loop wire is 16 gauge tffn / thhn / thwn stranded, single conductor wire.
Number of turns to be determined by engineer or factory and will depend on loop size, loop depth, presence of reinforcing steel and other special factors
Lead-in wires shall be machine twisted at a minimum of 8 twists per foot (30 cm). 10+ for special applications e.g. bicycle loops.
One continuous wire shall be used to manufacture the loop and lead-in, no splices shall be allowed.
Extra wire shall be incorporated throughout the conduit by means of the "Z" method to compensate for pavement movement.

Miscellaneous
Loop and lead shall be filled with a flexible rubber self sealing emulsion to: 1. Prevent moisture entering the conduit 2. Prevent false calls due to movement of the wire within the conduit
Preformed loops shall be commercially manufactured.
Quality control of the end product shall be performed and passed as specified in the Preformed Inductive Loop (P-ILD) Handbook V.2.4 and be submitted to the end user.
Loops shall be individually marked as to the direction of the wire turns.
Preformed loops shall have a **15 year** minimum manufacturer's guarantee.

**Patriot reserves the right to make changes to specifications of products described in this data sheet at any time without notice.
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