

# Pre-formed Inductive Loops Specifications

MODEL CG9.5MM

Application
Cut-In Asphalt Pave Over (Overlay) Concrete Overlay (With or Without Rebar) Above Ground Application

Conduit
Highly abrasion-resistant Nylon alloy cover
High tensile strength braided synthetic fiber reinforcement
Good flexibility over a wide temperature range and rated to withstand the temperatures of an asphalt overlay project. Maximum temperature rating is 450F /230C
Minimum pressure of 3000 psi (20,680 kPa)
Nylon alloy core tube
Superior resistance to oil, gasoline, salt, moisture and impact
Max. o.d. of 3/8" (9.5 millimeter)

Connection – Loop Head To Loop Lead-in
High tensile strength / Temperature self locking Polyethylene “T” connector to connect the loop head to the protected lead-in (No wire splices)

Wire
Loop wire is 20Gauge silver coated with Teflon Jacket, 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).
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. Rev #02-2020

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