ATLANTACOIL

HDPE COIL CONDUIT PIPE

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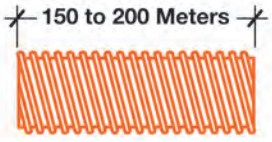
www.atlanta.ph

Application

Atlanta Coil is widely used for the installation of ***Underground Power and Telecommunication Cables*** such as ***Cables, Fiber Optics*** and ***other Utility cable Projects***. It can also be used for ***Gas Drainage***, ***Waste Containment Facilities*** and ***Subsoil Drainage*** such as ***Road, Sports Fields*** and ***General***

Advantages

Lightweight



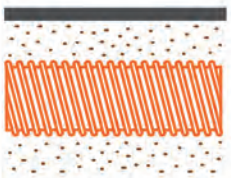
150 to 200 Meters Continuous Length Coil

Jointing is Easy

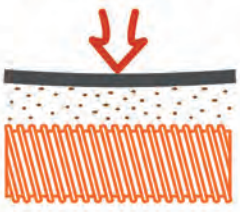
Flexible

Chemical and Corrosion Resistance

Environmental Friendly

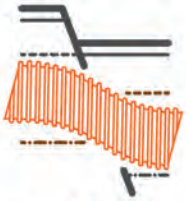


Very Good Bond Between Concrete and Grout



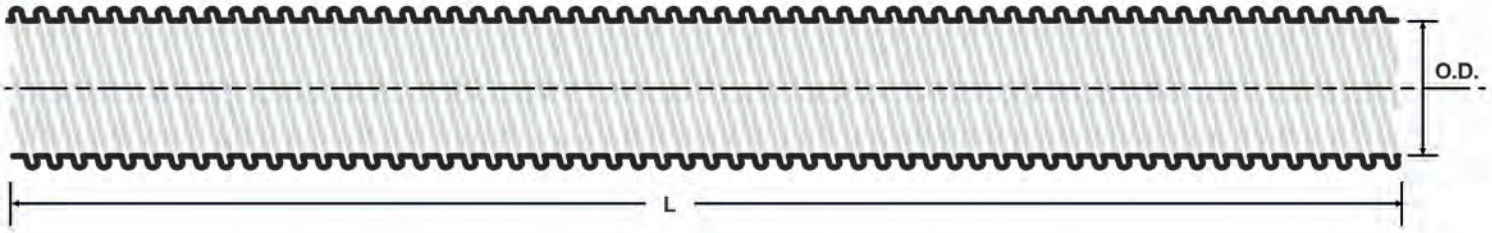
Good Compression Strength / High Stiffness

Good Impact Strength



Longer Lifespan even under Critical Trench Bed Condition

Specification



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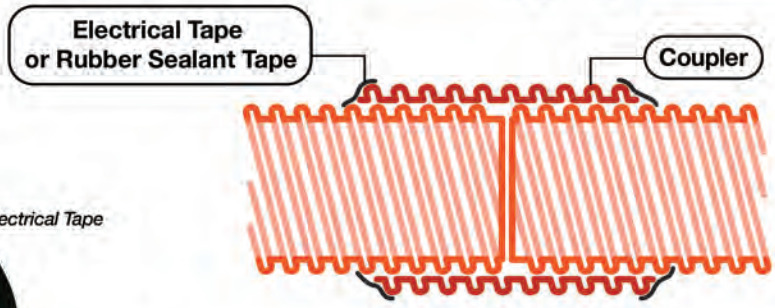
Nominal Size	Outer Diameter	Standard Length per Roll
(in)	(mm)	(Meter)
2	63	200
3	90	150
4	110	150

Couplers



1.) Couplers shall be made of HDPE with the length equal to 2x the diameter of the pipe with non-corrosive material tapes.

2.) Couplers shall be sealed at the ends with rubber seals and electrical tapes.

Storage

1.) On site, the storage for pipes shall be level and smooth.
2.) No foreign object should be placed inside the pipes during storage or transportation.
3.) Excessive Heat near the pipes is prohibited.
4.) Pipe shall be stacked in Vertical position with a temporary coverage (tarpaulin) to minimize UV Exposure to sunlight and Water.
5.) Pipes shall not be left uncovered for a period exceeding one month prior to permanent burial.
6.) Pipes shall be stacked in a single pile only.

Handling

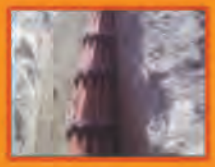
1.) The pipes should be handled with care to prevent material damage.
2.) Avoid sharp object that may damage the Pipe.
3.) The pipe should not be thrown or dropped into an uneven surface.
4.) Avoid dragging the pipes through the ground.
5.) Do not unroll the pipe prior to installation

Installation Method

1.) Excavation with Compaction of Trench Bed with a minimum distance of 2 in. between the pipe and the trench.

2.) Foundation - Make a sand Bed of 100mm for pipe wall Damage Prevention.

3.) Compaction of Sand Bed using Water Spray.



4.) Laying of Atlanta HDPE Corrugated Conduit with a minimum distance of 190mm between pipes using the Atlanta PVC Bar Spacer.

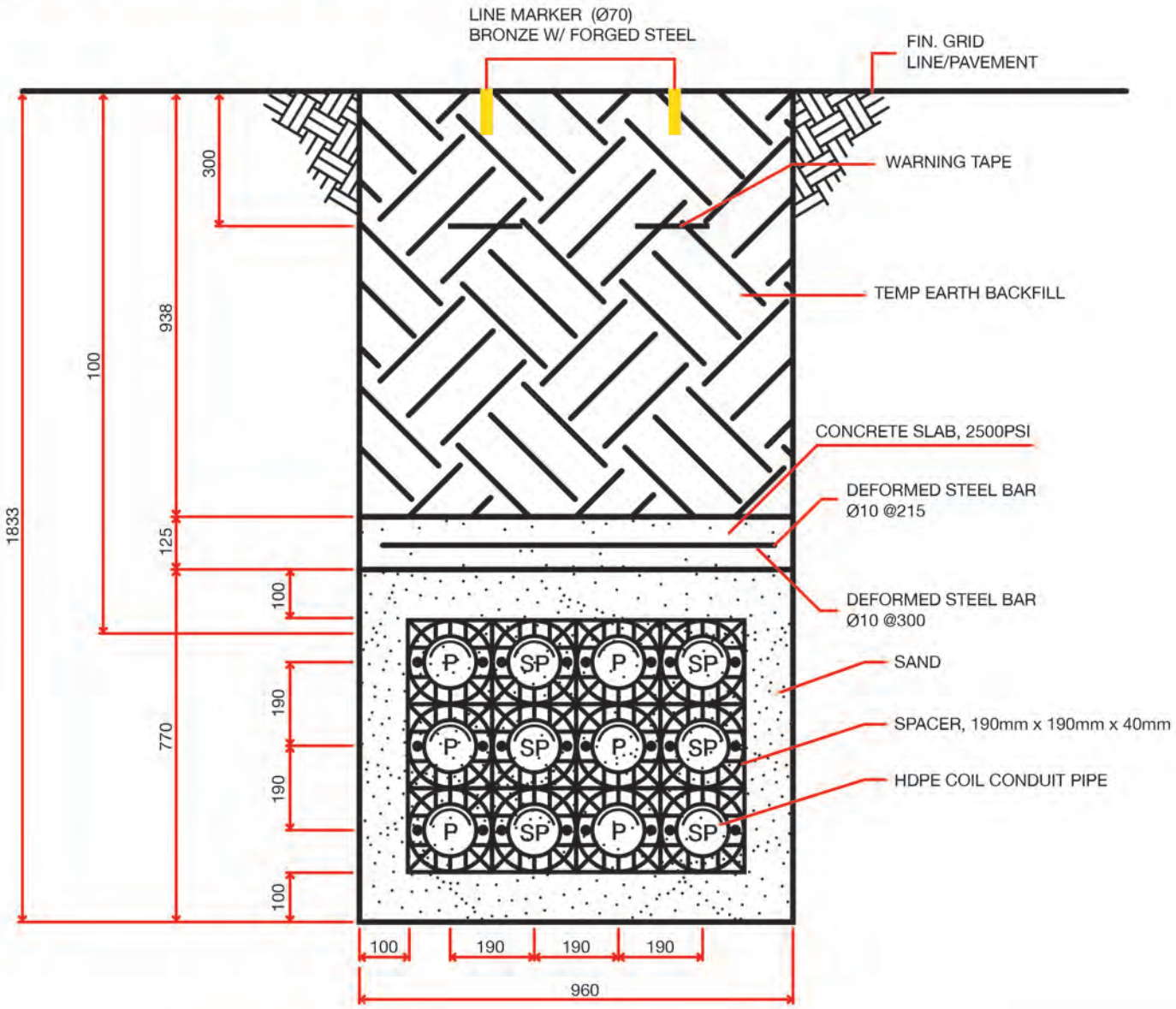
5.) Backfilling - Filling Both Sides with Sand filling Material up to 100mm from top of Atlanta HDPE Corrugated Conduit

6.) Compaction - Sand shall be leveled up to top of the HDPE spacer. Compaction is done by spraying water to the sand.

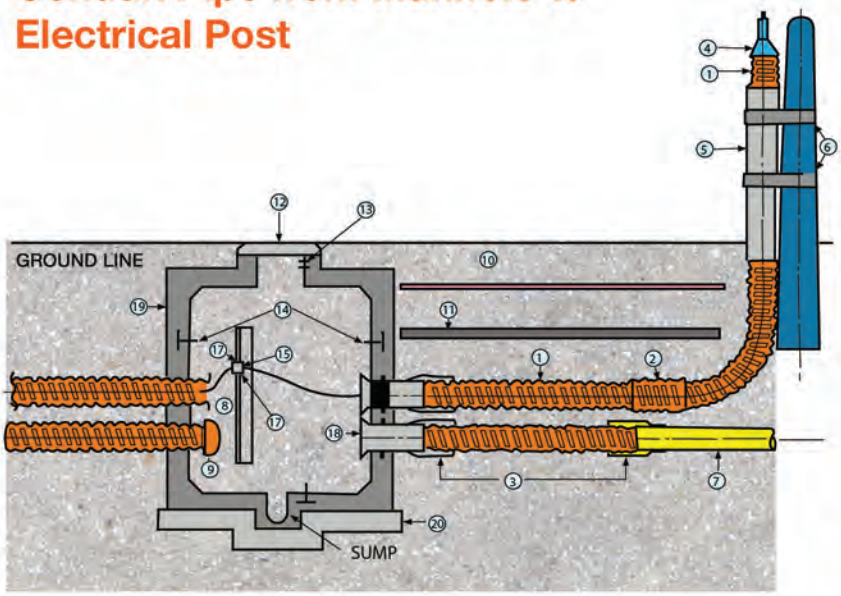
7.) Laying of Protection Plate for Cable (Optional)

8.) Fill in with Natural Soil and/or Ground Soil. Compact the filling material in successive lifts of 150mm each.

Sample of Direct Burial System

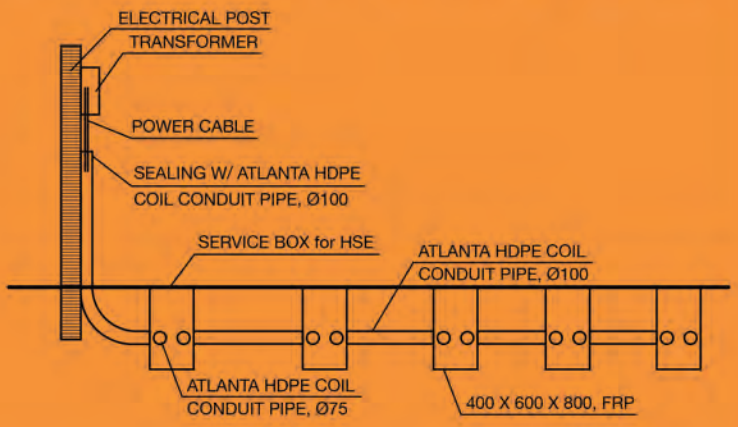


Installation of Atlanta HDPE Coil Conduit Pipe from Manhole to Electrical Post

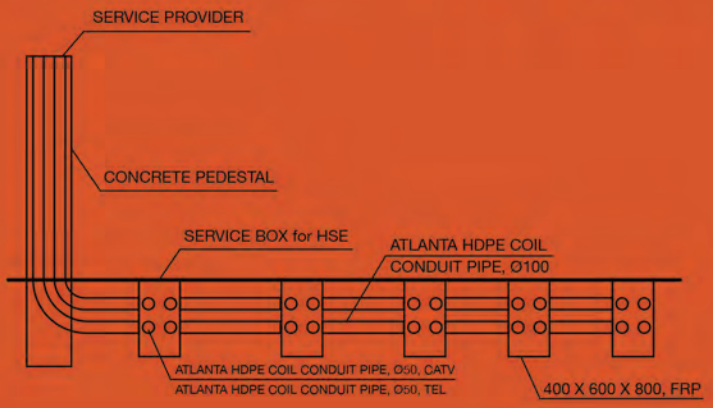


1. HDPE Conduit Pipe
2. HDPE Coupler
3. Connector with other type of pipe (PVC or Steel pipe)
4. Cone for Water Proofing between Cable & HDPE Conduit pipe.
5. Protection Pipe (Steel or PVC pipe)
6. Band for Holding protection pipe
7. Rigid pipe (steel or pvc pipe)
8. Bell Mouse for Prevention of Damage of HDPE Conduit pipe.
9. Endcap for future expansion.
10. Vinyl warning sheet (to protect cable when there is excavation.)
11. Concrete Slab
12. Manhole Cover
13. Ladder Hook
14. Hook for hanging pulley for inserting cable
15. Steel Angle Bar for insullation of hanger
16. Hanger to support crate
17. Crate for cable support
18. Sealing Gasket for water proof
19. Manhole
20. Foundation Concrete

Semi-Underground System for Power



Underground System for Tel & CATV



Installation Photos

ATLANTA PIPES & FITTINGS
uPVC • CPVC • HDPE • PPR

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