

LP-S

Electromagnetic induction loop

DESCRIPTION :

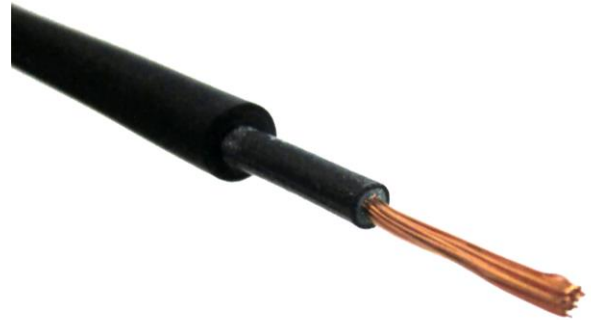
The induction loop or "Loop" is constituted by four different parts :

- Special cable wire 1,5 or 2,5 mm² with double insulation,
- Waterproof connection,
- Twisted shielded cable for the return on 25 or 50 meters,
- Special resin to fill the cut.

ADVANTAGES :

- Flexible cable easy to install,
- Double insulation increases lifespan of the cable,
- Works from -35 to + 85° C, it is therefore suitable for all temperatures and countries,
- Twisted shielded cable avoids an incorrect twisting of the cable,
- Junction has to be made outside of the road in a manhole, no risk of mechanical problems,
- Many references with Resin sold all over the world,
- Installation manual n° 4581d,
- Assistance on request,
- **MTBF** : 5 years or 13 million vehicles (road without cracks),
- **MTTR** : 3 hours (under lane neutralization).

Loop cable with double insulation



Twisted & shielded loop return cable



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CHARACTERISTICS :

Loop cable

- Cable for loop, copper section : 1,5 or 2,5 mm²,
- Cable dimensions (external diameter) : 6 to 8 mm,
- Operating temperature : - 35°C to +85°C,
- Insulation : > 400V,
- Insulating material : Cross-linked elastomer.

Return cable

- Section of the conductors : 1,34 mm²,
- Shield : Tinned copper,
- Number of twists per meter : 10 to 20,
- External diameter: 8 mm.

Waterproof junction between Loop and Return cables

- Type : 3M.

Resin to fill the cut

- Type : P6G ECM,
- Time of use at + 20° C : 20 minutes,
- Time of drying at + 20° C : 20 minutes.