

## Main product features

- Cable conduit / pipe for mounting and protection
- Direct fit for LSA bracket clamp
- Magnetic fixture points
- Conduit can be used for earthing of the entire assembly, including LSA
- Very robust and durable design fit for off-shore use

## General description

The Lightning Sensor & Analyzer is mounted outdoors and requires an Ethernet connection for data and power supply (PoE).

The cable conduit can be used to mount and protect either a DC power cable (e.g. if communication is via a cellular modem next to the LSA) or an Ethernet cable, supplying both power and communication.

Depending on the selection of cable and cable connectors, it may come pre-assembled within the conduit, i.e. with connectors at both ends and no need for connector assembly on site.

The conduit is fixed to the outdoor tower wall with permanent magnets, and when fitting is completed, a sealant around the magnet pad rims is recommended to guarantee a permanent placement.

The conduit consists of 2 solid sections with a flexible hose in between to cater for ease of installation, and the curvature of the tower, for the bottom part.

Labels and markers may be added on an individual basis according to customer requirements.

## Earthing clamp



A clamp for earthing at the bottom of the conduit is included.

Material: Copper/nickel  
Wire dimensions: 2,5-16mm<sup>2</sup>

## Illustration (incl. cable assembly example)



## Technical specifications

Tube material	Stainless steel A316
Tube external diameter	12mm
Magnet diameter	43mm
Magnet holding force, min	75N/magnet
Magnet number	5
Magnet material / type	NdFeB
Tube length total	207cm +/- 3cm
Bending radius min	160mm
Weight of conduit+4.5m cable	1.0kg

### Installation using the LSA bracket, with direct interfacing to the LSA (no modem):

(For detailed instructions, see the LSA users manual)

1. Remove the pipe brace M5 bolts on the bracket
2. Working with the long solid section of the conduit, interface the connector coming out of this section, via the square hole of the LSA bracket, to the LSA mating connector.
3. While placing the cable conduit end approx. 1 cm past the end of the brace, reinstall the brace with the bolts. Use a torque of no more than 4Nm.
4. Place the LSA and cable conduit in the final position on the tower wall using the pre-fitted magnets.
5. Add the sealant (Sikaflex 291i is suggested), with appropriate environmental conditions, around the magnets so the assembly remains fixed in position.
6. If relevant, mount an earthing cable to the earthing clamp.
7. Guide the bottom end cable, coming out of the short solid section of the cable conduit, to the targeted interface position.



Sikaflex 291i , 70ml

### Ordering information:

Either use own OEM part number or use:

*Cable conduit assembly* *J710 00064 001*

Optional items, including relevant cable assemblies which must be ordered at the same time, for pre-assembly purposes. Replace xxx's with required cable length in decimeters:

<i>Sikaflex 70ml:</i>	<i>J900 00067 070</i>
<i>Cable with M12/M12 connector:</i>	<i>J710 00064 xxx (for LSA with M12 mating connector)</i>
<i>Cable with M12/RJ45IP67 connector:</i>	<i>J700 00080 xxx (for LSA with M12 mating connector)</i>
<i>Cable with M12/RJ45IP20 connector:</i>	<i>J700 00060 xxx (for LSA with M12 mating connector)</i>
<i>Cable with RJ45IP67/RJ45IP20 connector:</i>	<i>J700 00048 xxx (for LSA with RJ45IP67 mating connector)</i>
<i>Cable with RJ45IP67/RJ45IP67 connector:</i>	<i>J700 00037 xxx (for LSA with RJ45IP67 mating connector)</i>

**Country of Origin: Denmark**