

SAFE-SPIRAL ASTA

Safe-Spiral ASTA is a **permanently antistatic spiral** which is designed for explosive surroundings, like underground mines and other special environments that demand conductivity. Safe-Spiral ASTA conforms with the standard EN ISO 80079-36:2016 which is the ATEX -related standard for “Non-Electrical Equipment for Explosive Atmospheres”.

Lengths:	available only in coils
Colors:	black
Delivery time:	4-5 weeks after order
Material:	HD polyethylene + conductive thermoplastic compound



Safe-Spiral ASTA is available in following diameters:

Normative outer / inner \varnothing	Recommended range Hose diameter mm	Safeplast article no.	Coil length	Weight average kg/m	Wall mm	Pitch mm
20 / 16.0 mm	16 – 22	020R25ASTA	25 m	0.11	2.0	20
25 / 20.6 mm	20 – 27	025R25ASTA	25 m	0.17	2.2	21
32 / 27.0 mm	27 – 36	032R25ASTA	25 m	0.23	2.5	22
40 / 34.6 mm	34 – 44	040R25ASTA	25 m	0.29	2.7	24
50 / 43.2 mm	43 – 55	050R25ASTA	25 m	0.41	3.4	30
63 / 55.6 mm	55 – 67	063R25ASTA	25 m	0.55	3.7	27
75 / 66.2 mm	66 – 80	075R20ASTA	20 m	0.88	4.4	42
90 / 80.2 mm	80 – 98	090R20ASTA	20 m	1.20	4.9	45
110 / 99.0 mm	99 – 115	110R15ASTA	15 m	1.61	5.5	50

Due to the conductive compound the above-mentioned measurements are normative as the product tends to shrink a bit after cooling.

SAFE-SPIRAL ASTA INSTALLATION

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For safe operation in Ex environments, Safe-Spiral ASTA must be earthed from its outer surface.

Example method:

- Firmly tighten a metal pipe clamp onto the spiral.
- Fasten one end of an earthing strap / cable to the pipe clamp and the other end to a good, clean earthing point.
- Using a multimeter, ensure that there is a proper contact between the outer surface of the spiral and the chosen earthing point.

Whichever method for earthing you choose, make sure the electrical contact stays constant even under vibration or shocks.