

Air Hose Ground Wire Hose [Model Number: E-AHG]

Precautions for Use



Before using HAKKO EIGHTRON products, please make sure to read following instructions in order to use HAKKO EIGHTRON products safely. HAKKO is not liable for personal injury or property damages if you do not follow the cautionary instructions below. We strongly urge you to follow these instructions. For applications that require safety consideration, please check beforehand.

① Cautions in Use

- E-AHG is designed for air.
- Do not use this product in foods and beverages, or in applications that may affect life or dysfunction.
(Such as applications for implanting or injecting into the body, or applications for remaining the part into the body)
We do not guarantee the adaptability and safety related to these applications.
- E-AHG is designed for positive pressure. Please do not use E-AHG for negative pressure (in vacuum conditions).
- If paint, solvent, oil, or other chemicals adhere to the hose, wipe it off immediately. It may cause swelling, dissolution, hardening and deterioration.
- Before the installation, please measure the end-to-end resistance value among the fittings. The value should be within a range of 1MΩ or less..
- Please make sure to ground a hose. If not, the conductive line and the ground wire will become suspended conductors to accumulate and discharge static electricity, resulting in danger of causing fire.
- The conductive line and the ground wire will eliminate the static electricity charged to the spray gun.
E-AHG does not eliminate the electricity which has already been charged to the fluid.
Please make sure to take another approach to eliminate the electricity which has already been charged to the fluid.
- E-AHG does not have a property of eliminating the already charged fluids. Please take another approach in getting rid of the already charged fluids.
Be sure to ground the conductive line layer with a special joint.
In case any property and physical damages happen other than the end-to-end hose, we do not assume any responsibility.
- Please comply with the use conditions mentioned in our catalog such as working pressure, temperature, and minimum bend radius.
- The indicated pressure performance is based on the data of the pressure resistance test conducted by our proprietary test method (test medium is water).
Depending on conditions such as the type of fluid used by the customer, operating temperature, operating pressure, etc., fluid leakage and hose missing may occur even within the stated pressure range.
- Since hoses contract or extend due to the inner pressure, hoses should be installed with adequate space.
- When pressure is applied, operate the valve slowly in order not to develop impact pressure, which might cause the rupture of the hose.
- Hoses should not be used below the minimum bend radius. If you use the hoses below the minimum bend radius, hoses may be folded or the pressure resistance might go down.
- Please do not bend extremely near the fittings. This leads to the damage of the hose.
- Please do not apply unreasonable force such as kinking and pulling to the hoses.
This results in the bursting of the hose or coming off from the fittings.
- Please do not pull or drag the hoses. This damages the surface of the hose, leading to having a hole onto the hose and bursting.
- Please do not bring the hoses close to fire or heat sources.
- Please do not place heavy weight on hoses. Hoses should not be running over by vehicles.
- Please do not make scratches on the hoses with cutters or knives.

② Cautionary Instructions on How to Cut Tube/Hose and Assemble with Fittings

- In cutting the hose, the cross-section of the hose must be perpendicular.
- For hose fittings, please use HAKKO original fittings [Model Number: E-FB/E-FBG/E-FS/E-FSG].
For more information on HAKKO original fittings, please take a look at general catalog and our corporate website.
- Do not use fittings to seal on the outer surface of the tube.
- Please use fitting nipple mountain part with R attached. Do not use fittings with scratches or rust on the surface of the fitting nipple.
- Please do not use the fittings which have scratches or rust on the surface of the nipple. Inner surfaces of the hose may be damaged and it may cause the hose to rupture or leak. Please use the flat hose clamps required for the hose specifications.
Please do not use wires or do not tighten excessively with wires. It may cause the hoses to rupture or leak.
- Tighten the hose band with the specified tightening torque.
- The hose softens at high temperatures, so tighten the hose band more (tighten) and fix it firmly.
- When the nipple of the fitting is inserted into the hose, do not apply oil on the hose and nipple or do not warm them with fire.
It may cause the hose to come off or change its shape.
- Insert the nipple of the fitting into the end of the hose until it seals against the thread base.
If the nipple is not inserted adequately, the hose may come off.
- Please choose the hose nipples which are suitable for hose sizes.

③ Cautions in Maintenance and Inspection

- Hoses are greatly affected by use conditions and environments. In case hoses are used outdoor, the surface of the hoses will be damaged and the quality will deteriorate quickly, compared with ones used indoor. The conditions of the hoses and fittings should be inspected regularly. If something unusual things listed below occur, stop using the hoses immediately and replace them with new ones:
- Appearance Abnormality... Tear, Scratches, Swelling, Crack, Curve, Deformation.
 - The Bursting of Inner or/and Outer Layers of the Hoses, Hardening, Dramatic Change in Color, Leaking Fluids and Exposed reinforcement thread.

④ Cautions in Storing

- Please do not directly contact with rubber products such as rubber hose and rubber board.
This causes the hose to change in color, transfer the components, and swell the hoses.
- In case the hoses are stored, get rid of remaining fluids inside the hoses,
clean up any dusts on the surface of the hose and avoid twisting/holding the hoses.
- Please do not store the hose under the extremely bended conditions.
- Please store the hose on the flat, smooth surfaces; otherwise, hoses may change its shape.
- Please do not expose the hose to direct sunshine, wind, or rain. Store the hose in the low humid, well-ventilated, cold, and dark places.
- Please store the hose without having foreign matters and dusts inside the hose.
- Please do not pile up the hoses in large quantity.

⑤ About the Numerical Value of Working Pressure

- The working pressures listed in the catalog and our website are the values with E-AHG fittings (E-FB/E-FBG/E-FS/E-FSG).
- Depending on the specifications of the fittings, working pressure might go down.

⑥ In case of Disposing

- In case of disposing, follow the local governmental regulations.

For Your Inquiries and/or Questions

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