

Solvent Transfer and Paint Hose

Paint Hose with Grounding Wire; Possible to eliminate static electricity charged to the spray gun

Solvent Transfer Hose

[Model Number : E-SV-(I.D.)]





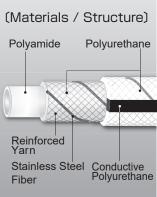




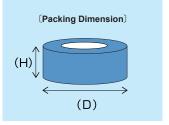


Applications • Fluids





- For Manual Painting such as Automobiles, Motorcycles, and Auto Parts
- For Pipes at Manufacturing Plants of Solvents and Paints
- For Transferring Air and Chemicals which require measurements against Anti-Static (Splash Charge)



Characteristics and Functions













- •Ground Wire···Without taking the ground wire out of the hose and by attaching our original fittings to the hose, you can prevent the splash charge.
- •Remove Static Electricity···With the ground wire and the conductive line, regardless of hose length, it shows higher ability to remove the static electricity. (Patent Registered)
- •Solvent Resistance···Since the inner layer is made of Polyamide (Nylon resin), it shows greater levels of solvent resistance against paints, organic solvents, thinner, and so on.
- •Easy to Cut...Since we print the cut mark on the hose every meter, it is easy to cut the length you would like to.
- •Flexibility ... Due to the laminated structure, compared with Nylon tubing, it shows higher levels of flexibility and kink-proof.
- •Transparency···E-SV (clear color) enables you to check the fluid very easily.
- •Green Procurement···E-SV is compliant with RoHS2 requirements.
- •Original Fittings... By using our original fittings, you can avoid accidents which are caused by incorrect choices of hose and fittings.

Standard • Packing Information

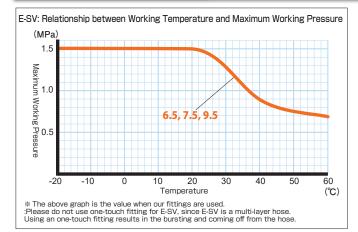
Model (Ins	Inch	I.D. × O.D.	Working	Working Pressure		Minimum Bend Temperature Radius Range at 20°C		Product	Color	Packing Dimension(*2)			
	(Inside Diamater) (*1)		MPa		Radius			Weight		Packing	Diameter (D)	Height (H)	Weight/roll
	(' ')	mm	at 20℃	at 60℃	mm	℃	m	kg/roll			cm	cm	kg/roll
E-SV-6.5	1/4	6.5 × 9.5			50		20	0.96		Film Wrapping	34	5	0.96
E-5V-0.5	1/4	0.5 ^ 9.5			50		100	4.80	011	Paper Bobbin	38.5	16	5.72
F 0.4.7	10/04	7.5 × 10.5	0 15	0~0.7	60	- 20 ~ 60	20	1.03	Clear+	Film Wrapping	34	5	1.03
E-SV-7	19/64	7.5 × 10.5	0~1.5	0~0.7	60	-20~60	100	5.17	Conductive	Paper Bobbin	46	16	6.35
E-SV-9	3/8	9.5×14			80		20	2.02	Line	Film Wrapping	40	7.5	2.02
E-5V-9	3/6	9.57 14			80		100	10.12		Paper Bobbin	46	26	11.74

^{*1:} Please note that inch size is approximate, which is not equal to milliunit.

^{*2: &}quot;Diameter (D)" imes "Height (H)" means "External Dimensions of Cardboard Box (D)" imes "Height (H)."



Technical Information



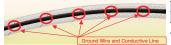
- We can manufacture sizes, standard lengths, and color which are not listed on the catalog as made-to-order products. If you are interested in your original hoses which are tailored to your needs, do not hesitate to contact us.
- Due to the multi-layer structure, even though the material of the inner layer stands proof against chemical substances, depending on the using conditions, fluids may leak to the middle and outer layers, leading to swelling, leakage, changing colors, and bursting

(Electrical Resistivity Data)

The metal fiber and the conductive line resin layer are coiled as spiral. These are contacted with regular intervals, regardless of the hose length are E-SV shows greater levels of

In case, the part of the ground wire is broken, the ground wire with the spiral configuration and the conductive static line are contacted for regular intervals. Thus, you can safely pull out the

** For the hose which only contains carbon, the electrical resistivity goes up in proportion to the hose length



Solvent Transfer Hose					
The Length of Sample: 1 m	The Length of Sample: 10m				
70kΩ	200kΩ				

(Bending Test for Ground Wire)

A ground wire used in Solvent Transfer Hose shows higher levels of bendness, compared with copper wire. The ground wire shows resistance against flexibility and repeated bending.

Bending Test for Ground Wire (Bending Angle 120 Degree; Load 500 Gram) Solvent Transfer Hose ϕ 7.5mm Bending 30,000 times without breaking Ground Wire Copper Wire Sold in the Market Bending only 110 times before breaking Ground Wire

* The results shown above are not guaranteed.

(Paint Hose Series/Data of Soaking into Paint)

Pieces of dumbbell (inner layer of the Solvent Transfer Series) are soaked into respective types of paint in order to determine the post-soaking tensile strength and calculate its tensile strength in the formula below.

Tensile Strength(%)= Tensile Strength After Soaking X 100

		ensile Strength Before Soa	akır	ng
Soaking Time	50 days (1,20	O hours)		
ype of Paint	Material for	Retention of Tensile Strength		Type of Pai

Type of Paint	Material for	Retention of Tensile Strength				
	Inner Layer	60%	80%	100%		
Two Component	Polyamide					
Ruorine Clear	Ruorine Resin					
Ruprine Hardener	Polyamide			- 1		
	Ruorine Resin					
Solvent Based	Polyamide					
	Ruorine Resin			- 1		
Solvent Color Based	Polyamide	-				
	Ruorine Resin					
Solvent Conductive	Polyamide	-				
Primer	Ruorine Resin					
	Polyamide			-		

Material for Inner Layer

Fluorine Resin (ETFE) : Paint Flex-Fluorine (E-PFF)

Polyamide : Paint Flex-Nylon (E-PFN) Solvent Transfer Hose (E-SV)

*Low Retention of Tensile Strength means that the material swells and deteriorates against the chemical.

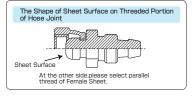
This data is measured under the certain circumstances. Thus, depending on the using conditions, environments, and duration, this data might not be reliable.

*The results shown above are not guaranteed. Please make sure to check under your

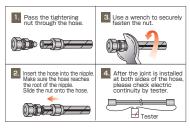
working conditions

HAKKO Original Fittings

Image	Model Number	TYpe	Applicable Hose	Thread	Sheet	Material	Weight g/pc
	E-EM-75-G1/4-B	Female Screw (Fixed)	E-SV-7	G1/4			48
	E-EM-75-G3/8-B			G3/8		Brass Nickel Plating	61
	E-EM-95-G3/8-B		E-SV-9	G3/8			85
	E-EM-75-G1/4-S		E-SV-7	G1/4		Wetted Part : SUS 304 Nut : Brass Nickel Plating Wetted Part : SUS 304 Nut : Brass Nickel Plating	47
	E-EM-75-G3/8-S			G3/8			59
	E-FS-6.5-G1/4			G1/4			52
	E-FS-6.5-G3/8			G3/8	Male Sheet		64
	E-FB-6.5-G1/4			G1/4		Brass Nickel Plating	54
	E-FB-6.5-G3/8		E-SV-6.5	G3/8			66
	E-FSG-6.5-G1/4			G1/4		Wetted Part : SUS 304 Nut : Brass Nickel Plating	76
	E-FSG-6.5-G3/8			G3/8			88
93	E-FBG-6.5-G1/4			G1/4		Brass Nickel Plating	78
	E-FBG-6.5-G3/8			G3/8			90



(How to Install the Fittings)



- *Due to the yarn-reinforced hose, please use the joints to seal an inner surface of the hose.
- *Please do not use the joints to seal an outer surface of the hose.This may result in the bursting or coming off from the hose.
- *When you use our products, please refer to "Precautions for Use" available on our webpage and product catalog.
- *In terms of chemical resistance, please refer to "Chemical Resistance Data" available on our webpage and product catalog.

Contact us if you have any inquiries about HAKKO products



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