

## Introduction

In order to isolate vibrations caused by air handling units, fans or other equipment connected to air ducts, it is highly recommended to install a flexible duct connector joint between the outlet of these devices and the airduct. It is necessary to select an airtight and flexible cloth, with good weathering qualities and one which will withstand the temperatures inside and outside the duct. Duct being generally made of steel, the main difficulty is to fasten the cloth to it in order to obtain a perfectly airtight joint. Easyflex duct connectors are perfect for this job.



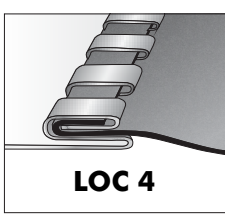
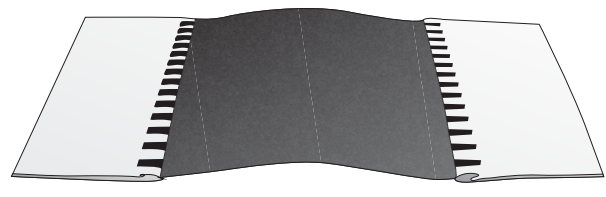
Easyflex offers you a pre-assembled airtight and mechanically resistant flexible duct connector. It consists of a strip of treated cloth, attached on both sides to strips of galvanised steel, using a strong mechanical joint and providing airtightness. In order to meet the requirements of each kind of installation Easyflex has especially developed a wide range of pre-assembled, ready to use duct connectors which offer a quick, easy, economical and efficient method of assembly.

Easyflex flexible duct connector is available in various steel thicknesses, cloth qualities, cloth widths, steel widths and types of seam. Air handling unit manufacturers will, by using narrower widths, be able to produce more compact air handling units, with savings of weight, volume and cost.

## Standard Fabrics

Fabric	RO-(Robust)	EO-(Neoprene)	PU-(Polyurethane)	SI-(Silicone)
Backing	Polyester	Glassfiber	Glassfiber	Glassfiber
Coating	PVC	Neoprene	Polyurethane	Silicone
Colour	Dark grey / Black	Black	Aluminium grey	Aluminium grey
Fire Resistance	NFPA 701	BS 476 Part 7 Class 1 M1	400°C/2h - M0	BS 476 Part 7 Class 1 M1/M0
Weight Backing	600 gr/sq.m.	720 gr/sq.m.	460 gr/sq.m.	520 gr/sq.m.
Coating	Both sides	Both sides	Both sides	Both sides
Temperatures	-20° / +70°C	-20° / +100°C	-30° / +120°C	-40° / +260°C
Use	Very good mechanical resistance Flame Resistant	Very good mechanical resistance. "Hardly Flammable classified	Fragile fabric but "M0 - 400°C/2h classified	Fragile fabric but "M0 - 400°C/2h classified

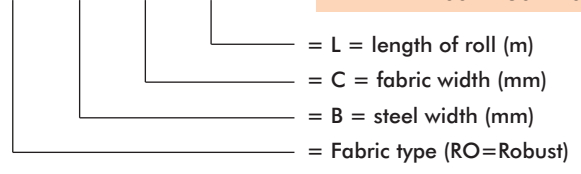
**Flexible duct connector Type LOC 4 - steel 0.4 mm (28 ga.)  
European Standard**



- A = thickness of steel: 0.4mm (ga.)
- B = steel width
- C = fabric width
- L = length of roll: 25 m (others on request)

How to order? (example)

**RO - 45 - 60 - 25**



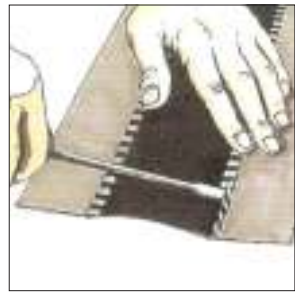
Type	B	C	B	L
Rox	45	60	45	25 mts.
	45	100	45	25 mts.
	45	150	45	25 mts.
	70	150	70	25 mts.
Neo	45	100	45	25 mts.
	45	125	45	25 mts.
	45	150	45	25 mts.
	100	150	100	15 mts.
Silicon	35	150	35	25 mts.
	45	100	45	25 mts.
	45	150	45	25 mts.
	100	150	100	15 mts.

**Recommended assembly method**

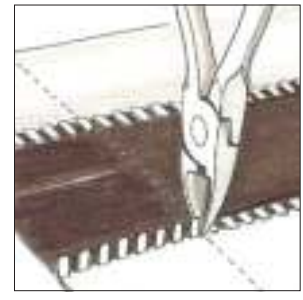
Ensure that the notched side of the connector faces outward and position the joint in the middle of a side rather than at a corner.



At a notch, cut a length equivalent to the perimeter required plus an overlap of 5 to 6 cm (2") for joining



Lift the seam outwards at right angle



Make a cut at the edge of the lifted seam section



Bend down the seam whilst ensuring that the cloth remains fastened



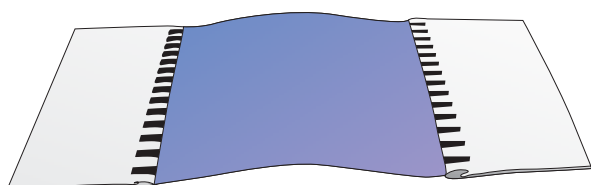
Coat the cloth with the appropriate adhesive. Join both sides and press together firmly



Spotweld the steel and form to the desired shape

## Robust (RO)

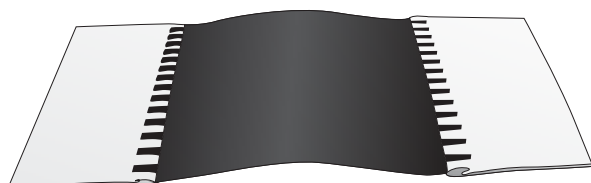
### Flexible Duct Connector - PVC/Vinyl coated fabric



- Excellent mechanical resistance.
- Excellent tear and tensile strength.
- Excellent water resistance
- All purpose fabric
- High temp. : 160° F (+70°C)
- Flame Resistant

## Neoprene (EO)

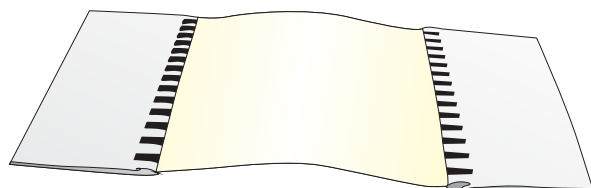
### Flexible Duct Connector - Neoprene coated fabric



- Excellent mechanical resistance
- "Hardy Flammable" classified
- Very good chemical resistance
- High temp. : 210°F (100°C)

## Silicone (SI)

### Flexible Duct Connector - Silicone coated fabric



- Excellent high temp. Resistance : 500°F (260°C)
- Very good low temp. Resistance : -40°F (-40°C)
- Very low smoke emission
- Very good chemical resistance
- Excellent ozone and weathering resistance