

Induction-heated wire bundle sealing reduces installation time and gives reliable blocking even for very large bundles

System Capabilities

- Provides reliable environmental sealing & mechanical protection to 125°C
- Accommodates varying bundle sizes up to 100 wires
- Compatible with all common automotive wire & cable types
- Typical installation times of 60 seconds or less
- Single set of parameters for multiple bundle types

LMx technology is based on a proprietary adhesive which rapidly flows and seals when subjected to an alternating magnetic field.

The LMx system comprises of heat-shrinkable tubing lined with LMx adhesive, a range of adhesive profiles and induction heating equipment which integrates onto a carousel or work station.

Small amounts of a magnetic material in the adhesive profile and tubing liner allow for very rapid installation at a controlled autotherming temperature.

Benefits

Provides an environmental barrier

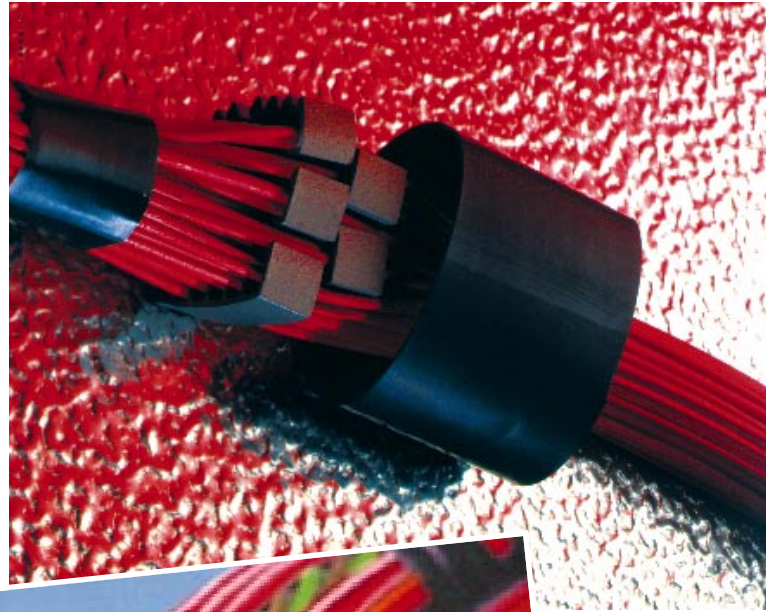
- Stops water/fluid ingress
- Attenuates noise
- Provides a thermal barrier
- Electrically insulating

Provides mechanical protection

- Strain relief
- Limits chaffing

User friendly application equipment

- Rugged, robust and easy to use by design
- Built-in process control features
- Clam shell induction heating units provide a solenoid coil that is easily opened and closed, fitting all bundle sizes
- Full installation and process guides are available.



Above:
LMx components.



Above:
Large wire bundle
blocked using
LMx technology.

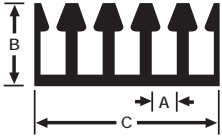
Right:
On and off-board
installation
equipment
of LMx system.



LMx 3500

Wire Bundle Sealing Technology

LMx3500 Adhesive Comb

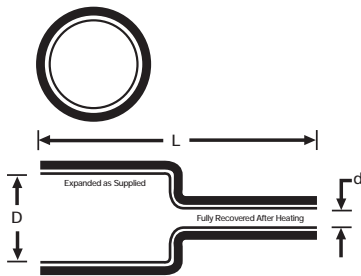


Dimensions

Size	No. of Channels	(A) (Nominal) mm	(B) (Nominal) mm	(C) (Nominal) mm	Length ± 1mm mm	Weight ± 15% (grams)
C5	5	2.7	5.0	19	7.0	0.8
C6	6	2.7	5.0	23	9.0	1.0
C7	7	2.7	5.0	26	9.0	1.2

Properties When used in an LMx3500 bundle seal the profile shall meet the requirements of RW-3020.

LMx3500 Heat-shrinkable adhesive lined tubing

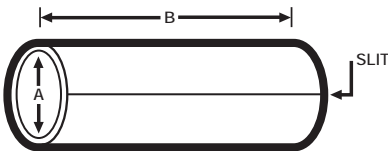


Dimensions

Size	(D) Minimum mm	(d) Maximum mm	(L) Length
18/6	18	6	Per Order
25/8	25	8	Per Order
30/10	30	10	Per Order
40/14	40	14	Per Order
52/18	52	18	Per Order

Properties When used in an LMx3500 bundle seal the tubing shall meet the requirements of RW-3020.

LMx3500 Slit Adhesive Sleeve (SAS)



Dimensions

Size	Extruded L.D. (A) (Nominal) mm	Cut Length (B) (Nominal) mm
SAS-710	7	10
SAS-510	5	10
SAS-910	9	10
SAS-1112	11	12

Properties When used in an LMx3500 bundle seal the sleeve shall meet the requirements of RW-3020.

Application Equipment

System controller LMx-2000-EQ-SYSTEM-CNTROL

Induction heating head LMx-2000-EQ-CLAM-HEAD

Water cooling system LMx-2000-EQ-COOLER-3

Up to two heads can be used per controller with additional equipment.

Please consult the Raychem design guide.

For further information please contact your local Raychem representative.

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