

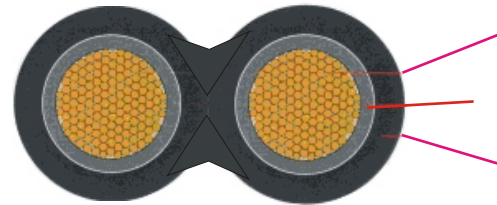
# Ferrite Coated Low Pass Squib Filter Wire

## LP/LIMY 2 x 0.25mm<sup>2</sup>

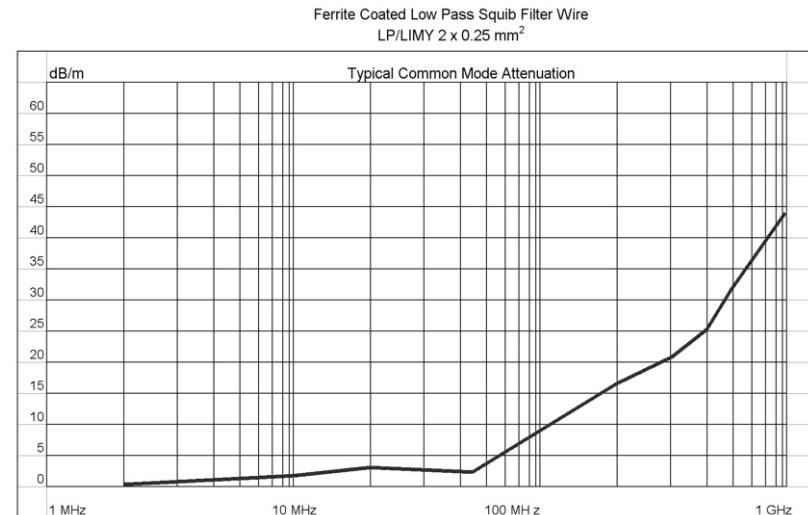
Rev	Date
1	10/15/95
2	01/17/03 (Re-Drawn)
3	09/27/07


### Specifications:

- \* Conductors: Stranded tinned copper  
14 x 0.15mm
- \* Fero.com - Ferrite Coating - Manganese - Zinc (Mn-Zn)  
specific weight 3.3 kg/dm<sup>3</sup> extrudable compound  
100 parts in weight ferrite powder with 10 parts in  
weight of elastomeric binders. This should be an  
extrudable, flexible, rubber-like material.  
Wall thickness - Diameter 1.5 mm -0, +0.1mm  
HF Losses: increasing up to 10 GHz  
Curie Temperature: 230°C ( ± 15°C)  
Rel. Permeability at 100 MHz: ≥ 8  
Rel. Permittivity at 100 MHz: ≥ 30
- \* Insulation: PVC, black  
Nom. Thickness: 0.65 mm  
Min. Thickness: 0.65 mm - 10% -0.1 mm
- \* Cable dimensions:  
height: 2.8 mm -0/ +0.20 mm  
width: 5.8 mm -0/ +0.20 mm
- \* General specifications:  
Dielectric test: conductor/conductor: 2 k Vac/ 1 minute  
conductor/water: 1 k Vac/ 1 minute  
Characteristic impedance: 70 Ohms ± 15 Ohms  
Temperature range: -25°C to +70°C  
Mechanical: high flexibility  
long term stability
- \* PVC Insulation:  
Before Aging: Tensile strength: 12.5 N/mm<sup>2</sup>  
Elongation at break: > 125%  
After Aging at 80°C / 7 days:  
Tensile strength: 12.5 N/mm<sup>2</sup>  
Elongation at break: > 125%  
Differences before/after aging: ± 20%  
Loss of weight after 7 days at 80°C: < 2mg/cm  
Thermal shock: 150°C / 1h  
Resistivity at 70°C : ≥ 10 exp. 10 Ohm.cm



1. Stranded Copper Conductors
2. Fero.com Ferrite Coating
3. PVC Insulation



 <b>EMC Eupen</b> 5033 Industrial Road., Bldg. 6 Farmingdale, NJ 07727 Tel: 732-919-1100 Fax: 732-919-7196 www.emceupen.com sales@emceupen.com	<b>Ferrite Coated Low Pass Squib Filter Wire</b>		
	<b>Drawing No.:</b>		
	<b>LP/LIMY 2 x 0.25mm<sup>2</sup></b>		
	<b>Drawn By</b> MCL	<b>Eng</b> CK MK	<b>QA</b> CK PH
<b>Date:</b> 09/1/95	<b>Date:</b> 09/15/95	<b>Date:</b> 09/15/95	
<b>Customer:</b>		Approved Sig	
<b>Cust P/N :</b> For 9342153 assembly		Sheet 1 of 1	