



## LSF

**LSF is a limited fire hazard, non-toxic, halogen-free non-shrink sleeve with an operating temperature of -20°C-+90°C. It is ideal for applications where smoke and fume emissions must be minimised. It is available in a full range of colours and sizes and can be cut and printed as required.**

This limited fire hazard (LSF) tubing is zero halogen, low smoke and low toxicity. It is a flexible jacket used in wire and cable harnessing where smoke and fume emissions must be minimised such as in Mass Transit applications. It is supplied in a similar wide range of sizes and colours as PVC sleeving eg. with a 0.5mm nominal wall, and in many colours including green/yellow for earth as standard. This means it is ideal for requirements where conventional PVC tubing is considered unsuitable. Bespoke sizes, wall thicknesses and colours are available on enquiry.

## TECHNICAL DATA

- OPERATING TEMPERATURE**  
-20°C-+90°C
- FLAME RETARDANT**  
Halogen free, low smoke
- COLOURS**  
Black, Blue, Brown, Green, Yellow, Grey, Red, White, Green / Yellow
- SIZES**  
1. 5mm – 15mm
- PACKING**  
Coils, reels, cut to length, cut sleeves
- PRINT**  
Yes, full range of text and logos
- APPROVALS**  
Din/VDE 0207, BS6724, RoHS compliant
- APPLICATIONS / INDUSTRIES**  
General, Commercial, Electrical, Electronics,

Properties	Typical Values	Test Methods
<b>GENERAL</b>		
Operating temperature	-20°C – + 90°C	Din/VDE 0207, BS6724, RoHS compliant
<b>PHYSICAL</b>		
Tensile strength	15MPa	
Ultimate elongation	163%	
Density	1.48	
<b> THERMAL</b>		
Flammability	Passes vertical burn test, halogen-free	UL 1581
Heat ageing (168hrs)	For 7 days, tensile 16.5MPa, elongation 140%	
Limited Oxygen Index	37%	ISO 4589-2
<b>ELECTRICAL</b>		
Insulation Resistance	10 <sup>12</sup> Ohm/cm	
Voltage Rating	300V & 600V	
<b>CHEMICAL</b>		
Smoke Density	Pass	ASTM E-662

Size (mm)	Supplied diameter (mm)	Nominal wall thickness (mm)
1	1.0	0.40
1.5	1.5	0.40
2	2.0	0.40
2.5	2.5	0.40
3	3.0	0.50
4	4.0	0.50
5	5.0	0.50
6	6.0	0.50
7	7.0	0.50
8	8.0	0.60
9	9.0	0.60
10	10.0	0.60
12	12.0	0.60
14	14.0	0.70
16	16.0	0.70

Printasleeve Ltd is as diligent as possible in compiling and updating the above information. It reflects averages derived from product sample testing, is subject to normal manufacturing and testing tolerances and may be changed without notice. Furthermore aesthetic and textural style differences can result in local variation. For specific or further information concerning our products, their specifications and their utilisation please contact us.

