

## Printashrink CPF/FR3-L

Printashrink CPF/FR-L is a flattened 3:1 shrink ratio heatshrink polyolefin organised on ladder-style carriers. It is supplied in the form of printable labels. The tubing is UL approved, fire retardant, has a working temperature of 135°C and is available in a range of colours and sizes up to 39mm ID and can be [printed](#) as required.

This flattened 3:1 heatshrink polyolefin tube can be supplied on a number of differently sized and structured ladder-style carriers making it compatible with most printers. It is a UL/CSA approved sleeve with a 135°C working temperature and has a surface and profile perfect for thermal transfer printing. It is available in varying sleeve lengths to suit any print requirement and set up and is used in a number of commercial and industrial applications. We can supply unprinted or pre-printed as required.



## Technical Data

- **Shrink Ratio:** 3:1
- **Shrink Temperature:** +85°C
- **Operating Temperature:** -55°C – +135°C
- **Flame Retardant:** Yes
- **Colours:** Yellow, White, Black, Other colours available upon request
- **Sizes:** 2.4 x 13, 19, 25, 38, 50mm ? 50.8 x 13, 19, 25, 38, 50mm
- **Packing:** Rolls, mini-packs
- **Print:** Yes, full range of text and logos
- **Approvals:** SAE AS81531:1531:1998 4.6.2, MIL-STD-202F 215J, UL224, CSA certified, RoHS compliant
- **Applications / Industries:** General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive

Properties	Typical Values	Test Methods
General		
Operating Temperature	-55°C – +135°C	
Minimum shrink temperature	85°C	
Shrink Ratio	3:1	
Physical		
Tensile Strength	10.4Mpa min	GB/T1040
Ultimate elongation	?200%	GB/T1040
Longitudinal change	+/-5%	UL224
Thermal		
Flammability	Pass	UL224
Heat shock (4hrs)	No dripping, flowing or cracking	ASTM D 2671
Heat ageing (168hrs)	@ 158°C elongation 100%	ASTM D 638
Electrical		
Dielectric strength	15kV/mm <sup>2</sup>	
Chemical		
Chemical resistance	Good	AMS-DTL-23053/5
Copper corrosion	No corrosion	UL224
Copper stability	No corrosion	UL224

Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
2.4 x 13, 19, 25, 38, 50	2.4	0.8	0.57
3.2 x 13, 19, 25, 38, 50	3.2	1.0	0.61
4.8 x 13, 19, 25, 38, 50	4.8	1.6	0.67
6.4 x 13, 19, 25, 38, 50	6.4	2.4	0.71
9.5 x 13, 19, 25, 38, 50	9.5	3.2	0.77
12.7 x 13, 19, 25, 38, 50	12.7	4.8	0.80
19.1 x 13, 19, 25, 38, 50	19.1	6.4	0.84
25.4 x 13, 19, 25, 38, 50	25.4	8.4	0.86
38.1 x 13, 19, 25, 38, 50	38.1	12.7	0.89
50.8 x 13, 19, 25, 38, 50	50.8	18.0	0.90

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. E & OE