


	<b>DATA SHEET</b>	
Valid from: 2019-06-13	<b>FLEXIMARK® Shrink tube</b>	

Shrink tube for colour identification or repair.  
Available in several colours.



### Technical data

Material:	Polyolefin Flame retardant according to ASTM D 635-HB
Colour:	Black, Red, Blue, Yellow, White, Transparent, Yellow/Green
Temperature range:	-55°C up to +135°C
Shrink ratio:	2:1
Shrink temperature:	>90°C

### Approvals:

SAE-AMS-DTL-23053/5 Class 1 (colours)  
SAE-AMS-DTL-23053/5 Class 2 (clear)  
UL 224, 125°C UL cert. E228117\*\*\*  
CSA C 22.2 No. 198.1-98, OFT\*\*\*  
\*\*\*Except colour: clear  
IEC 60684-3-209  
UL224


### Other product data:

ETIM Classification: EC001288

### Advantages:

Different sizes for different wires and cables.  
Adapted for industrial environment.  
Flame retardant UL224.

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### Physical properties

Description	Test method	Typical value
Tensile strength	ASTM D 638	13 N/mm <sup>2</sup>
Elongation at break	ASTM D 638	350%
Longitudinal change	ASTM D 2671	-5% to +5%
Water absorption	ASTM D 570	0.20%
Specific gravity	ASTM D 792	1.45

### Thermal properties

Description	Test method	Typical value
Heat shock 4 hours at 250°C	ASTM D 2671	no dripping, cracking or flowing
Heat aging 168 hours at 175°C	ASTM D 638	elongation 250%
Low temp. flexibility at -55°C	ASTM D 2671 C	no cracking
Flammability	UL224	pass (colours only)

### Electrical properties

Description	Test method	Typical value
Dielectric strength	ASTM D 2671	20 kV/mm
Volume resistivity	ASTM D 257	10 <sup>16</sup> ohm cm

### Chemical properties

Description	Test method	Typical value
Chemical resistance	AMS-DTL-23053/5	good
Copper corrosion	ASTM D 2671 B	no corrosion

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**FLEXIMARK® Shrink tube**

## Product data:

E-nummer	LAPP Article No.	Designation	Max inside diameter (mm)	Shrink ratio	Length (m)	Colour	Quantity/ PU
2972281	83251594	Shrink tube 2.4 mm black	2,4	2:1	15	Black	1
2972282	83251600	Shrink tube 3.2 mm black	3,2	2:1	15	Black	1
2972283	83251601	Shrink tube 4.8 mm black	4,8	2:1	10	Black	1
2972284	83251602	Shrink tube 6.4 mm black	6,4	2:1	10	Black	1
2972285	83251603	Shrink tube 9.5 mm black	9,5	2:1	10	Black	1
2972286	83251604	Shrink tube 12.7 mm black	12,7	2:1	5	Black	1
2972287	83251605	Shrink tube 19.1 mm black	19,1	2:1	5	Black	1
2972288	83251606	Shrink tube 25.4 mm black	25,4	2:1	5	Black	1
2972289	83251610	Shrink tube 3.2 mm red	3,2	2:1	15	Red	1
2972290	83251611	Shrink tube 4.8 mm red	4,8	2:1	10	Red	1
2972291	83251612	Shrink tube 6.4 mm red	6,4	2:1	10	Red	1
2972292	83251613	Shrink tube 9.5 mm red	9,5	2:1	10	Red	1
2972293	83251614	Shrink tube 12.7 mm red	12,7	2:1	5	Red	1
2972294	83251615	Shrink tube 19.1 mm red	19,1	2:1	5	Red	1
2972295	83251616	Shrink tube 25.4 mm red	25,4	2:1	5	Red	1
2972296	83251620	Shrink tube 3.2 mm blue	3,2	2:1	15	Blue	1
2972297	83251621	Shrink tube 4.8 mm blue	4,8	2:1	10	Blue	1
2972298	83251622	Shrink tube 6.4 mm blue	6,4	2:1	10	Blue	1
2972299	83251623	Shrink tube 9.5 mm blue	9,5	2:1	10	Blue	1
2972300	83251624	Shrink tube 12.7 mm blue	12,7	2:1	5	Blue	1
2972301	83251625	Shrink tube 19.1 mm blue	19,1	2:1	5	Blue	1
2972302	83251626	Shrink tube 25.4 mm blue	25,4	2:1	5	Blue	1
2972303	83251630	Shrink tube 3.2 mm yellow	3,2	2:1	15	Yellow	1
2972304	83251631	Shrink tube 4.8 mm yellow	4,8	2:1	10	Yellow	1
2972305	83251632	Shrink tube 6.4 mm yellow	6,4	2:1	10	Yellow	1
2972306	83251633	Shrink tube 9.5 mm yellow	9,5	2:1	10	Yellow	1
2972307	83251634	Shrink tube 12.7 mm yellow	12,7	2:1	5	Yellow	1
2972308	83251635	Shrink tube 19.1 mm yellow	19,1	2:1	5	Yellow	1
2972309	83251636	Shrink tube 25.4 mm yellow	25,4	2:1	5	Yellow	1
2972310	83251640	Shrink tube 3.2 mm white	3,2	2:1	15	White	1
2972311	83251641	Shrink tube 4.8 mm white	4,8	2:1	10	White	1
2972312	83251642	Shrink tube 6.4 mm white	6,4	2:1	10	White	1
2972313	83251643	Shrink tube 9.5 mm white	9,5	2:1	10	White	1
2972314	83251644	Shrink tube 12.7 mm white	12,7	2:1	5	White	1
2972315	83251645	Shrink tube 19.1 mm white	19,1	2:1	5	White	1
2972316	83251646	Shrink tube 25.4 mm white	25,4	2:1	5	White	1
2972317	83251650	Shrink tube 3.2 mm transparent	3,2	2:1	15	Transparent	1
2972318	83251651	Shrink tube 4.8 mm transparent	4,8	2:1	10	Transparent	1
2972319	83251652	Shrink tube 6.4 mm transparent	6,4	2:1	10	Transparent	1
2972320	83251653	Shrink tube 9.5 mm transparent	9,5	2:1	10	Transparent	1
2972321	83251654	Shrink tube 12.7 mm transparent	12,7	2:1	5	Transparent	1
2972322	83251655	Shrink tube 19.1 mm transparent	19,1	2:1	5	Transparent	1
2972323	83251656	Shrink tube 25.4 mm transparent	25,4	2:1	5	Transparent	1
2940044	83251657	Shrink tube 3.2 mm yellow/green	3,2	2:1	15	Yellow/Green	1
2940045	83251658	Shrink tube 4.8 mm yellow/green	4,8	2:1	10	Yellow/Green	1
2940046	83251659	Shrink tube 6.4 mm yellow/green	6,4	2:1	10	Yellow/Green	1
2940047	83251664	Shrink tube 9.5 mm yellow/green	9,5	2:1	10	Yellow/Green	1
2940049	83251661	Shrink tube 12.7 mm yellow/green	12,7	2:1	5	Yellow/Green	1
2940095	83251662	Shrink tube 19.1 mm yellow/green	19,1	2:1	5	Yellow/Green	1
2940097	83251663	Shrink tube 25.4 mm yellow/green	25,4	2:1	5	Yellow/Green	1

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**Related products:**

Micro-therm heat gun is a wire-less, simple heat gun for field use (available in Fleximark's range).  
+650°C without flame.  
Used for shrinking the FLEXIMARK® Shrink tube after mounting.



**Note:**

Pictures are not to scale and do not represent detailed images of each product.

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