

Data Sheet

Flexible Polyolefin Heatshrink Tubing 2:1



Applications

General purpose tubing, it's low shrink temperature with flame retardant and widely used in high volume commercial applications such as jacketing wire bundles, light-duty harness, identifying or color-codes wires, cables, terminals, and components and so on.

Characteristics

- Very flexible, highly flame-retardant (colors only)
- Resistant to common fluids and solvents
- Excellent physical and electrical performance

Operating temperature range

Operating temperature : -55 to +125°C

Minimum shrink temperature : 70°C

Minimum fully recovery temperature : 100°C

Approvals

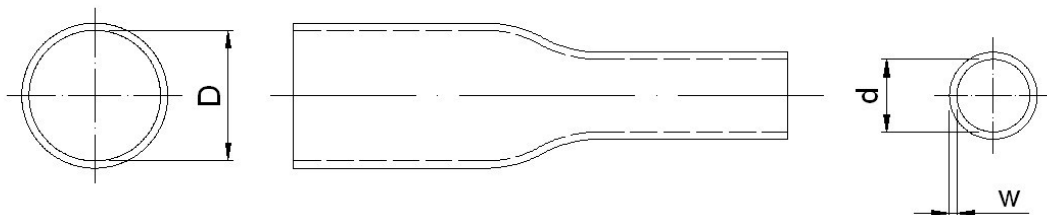
UL224  File E337635

**Technical Specification**

Property	Specification Requirements	Test Method	Typical Value
Concentricity	70%min.	ASTM D 2671	$\geq 70\%$
Tensile strength	10.4MPa min.	ASTM D 638	$\geq 12.0\text{MPa}$
Elongation at break	200% min.	ASTM D 638	$\geq 300\%$
Heat shock	No cracking	ASTM D 2671	Pass
Cold bend (-55°C,4 hrs.)	No cracking	ASTM D 2671	Pass
Heat aging 158°C,168 hrs.			
Tensile strength after aging	70% of original (MIN.)	ASTM D 638	$\geq 80\%$
Elongation at break after aging	100% min.	ASTM D 638	$\geq 200\%$
Dielectric voltage withstand and breakdown	2500V,60sec, No breakdown	UL224	Pass
Dielectric strength	19.7KV/mm min.	ASTM D 2671	25KV/mm
Volume resistance	$10^{14}\Omega \cdot \text{cm}$ min.	ASTM D 876	$\geq 10^{14}\Omega \cdot \text{cm}$
Copper corrosion	No corrosion	ASTM D 2671	Pass
Copper stability	Elongation $\geq 100\%$	ASTM D 2671	Pass
Flammability	VW-1	UL224	Pass



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Part Number	Color	Dimensions		
		As Supplied (mm)	After Recovery (mm)	Wall Thickness Shrunk (mm)
		D (I.D.min.)	d (I.D.max.)	w(min)
700-4620	Black	1.6	0.8	0.36
700-4624	Black	2.4	1.2	0.44
700-4630	Black	3.2	1.6	0.44
700-4649	Black	4.8	2.4	0.44
700-4646	Black	6.4	3.2	0.56
700-4658	Black	9.5	4.8	0.56
700-4661	Black	12.7	6.4	0.56
700-4664	Black	19.0	9.5	0.77
700-4668	Black	25.4	12.7	0.87
700-4677	Red	1.6	0.8	0.36
700-4670	Red	2.4	1.2	0.44
700-4674	Red	3.2	1.6	0.44
700-4683	Red	4.8	2.4	0.44
700-4686	Red	6.4	3.2	0.56
700-4680	Red	9.5	4.8	0.56
700-4699	Red	12.7	6.4	0.56
700-4692	Red	19.0	9.5	0.77
700-4696	Red	25.4	12.7	0.87
700-4706	Yellow	1.6	0.8	0.36
700-4709	Yellow	2.4	1.2	0.44
700-4703	Yellow	3.2	1.6	0.44
700-4712	Yellow	4.8	2.4	0.44
700-4715	Yellow	6.4	3.2	0.56
700-4719	Yellow	9.5	4.8	0.56
700-4728	Yellow	12.7	6.4	0.56
700-4721	Yellow	19.0	9.5	0.77
700-4725	Yellow	25.4	12.7	0.87
700-4734	Blue	1.6	0.8	0.36
700-4737	Blue	2.4	1.2	0.44
700-4731	Blue	3.2	1.6	0.44
700-4740	Blue	4.8	2.4	0.44
700-4743	Blue	6.4	3.2	0.56
700-4747	Blue	9.5	4.8	0.56
700-4756	Blue	12.7	6.4	0.56
700-4759	Blue	19.0	9.5	0.77
700-4753	Blue	25.4	12.7	0.87
700-4762	White	1.6	0.8	0.36
700-4765	White	2.4	1.2	0.44
700-4769	White	3.2	1.6	0.44
700-4778	White	4.8	2.4	0.44
700-4771	White	6.4	3.2	0.56
700-4775	White	9.5	4.8	0.56
700-4784	White	12.7	6.4	0.56
700-4787	White	19.0	9.5	0.77
700-4781	White	25.4	12.7	0.87



CROSS REFERENCE LIST

RS Stock No.	Description
700-4620	Heatshrink tube black 1.6mm
700-4624	Heatshrink tube black 2.4mm
700-4630	Heatshrink tube black 3.2mm
700-4649	Heatshrink tube black 4.8mm
700-4646	Heatshrink tube black 6.4mm
700-4658	Heatshrink tube black 9.5mm
700-4661	Heatshrink tube black 12.7mm
700-4664	Heatshrink tube black 19.0mm
700-4668	Heatshrink tube black 25.4mm
700-4677	Heatshrink tube red 1.6mm
700-4670	Heatshrink tube red 2.4mm
700-4674	Heatshrink tube red 3.2mm
700-4683	Heatshrink tube red 4.8mm
700-4686	Heatshrink tube red 6.4mm
700-4680	Heatshrink tube red 9.5mm
700-4699	Heatshrink tube red 12.7mm
700-4692	Heatshrink tube red 19.0mm
700-4696	Heatshrink tube red 25.4mm
700-4706	Heatshrink tube yellow 1.6mm
700-4709	Heatshrink tube yellow 2.4mm
700-4703	Heatshrink tube yellow 3.2mm
700-4712	Heatshrink tube yellow 4.8mm
700-4715	Heatshrink tube yellow 6.4mm
700-4719	Heatshrink tube yellow 9.5mm
700-4728	Heatshrink tube yellow 12.7mm
700-4721	Heatshrink tube yellow 19.0mm
700-4725	Heatshrink tube yellow 25.4mm
700-4734	Heatshrink tube blue 1.6mm
700-4737	Heatshrink tube blue 2.4mm
700-4731	Heatshrink tube blue 3.2mm
700-4740	Heatshrink tube blue 4.8mm
700-4743	Heatshrink tube blue 6.4mm
700-4747	Heatshrink tube blue 9.5mm
700-4756	Heatshrink tube blue 12.7mm
700-4759	Heatshrink tube blue 19.0mm
700-4753	Heatshrink tube blue 25.4mm
700-4762	Heatshrink tube white 1.6mm
700-4765	Heatshrink tube white 2.4mm
700-4769	Heatshrink tube white 3.2mm
700-4778	Heatshrink tube white 4.8mm
700-4771	Heatshrink tube white 6.4mm
700-4775	Heatshrink tube white 9.5mm
700-4784	Heatshrink tube white 12.7mm
700-4787	Heatshrink tube white 19.0mm
700-4781	Heatshrink tube white 25.4mm