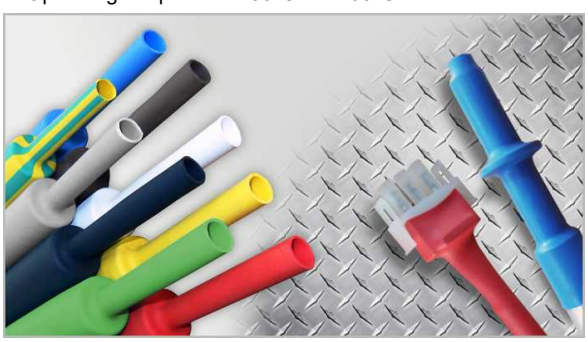
NF301

High 3:1 ratio, very flexible, UL224 flame retardant, thin wall heat shrink tubing with excellent physical and mechanical properties to cover large diameter gaps. Suitable for general purpose applications such as electrical insulation, strain relief, wire bundling and protection.

Features

1. Shrink ratio 3:1
2. Flame retardant UL224
3. Very good chemical, physical & electrical properties
4. Available in a wide range of colours
5. With less sizes to cover a wider range of applications
6. Shrink temperature > 90°C
7. Operating temperature -55°C to +135°C



SAE-AMS-DTL-23053/5
Class 1 (colours)
SAE-AMS-DTL-23053/5
Class 2 (clear)

c UL us
UL 224, 125°C
UL cert. E228117*
CSA C 22.2
No. 198.1-98, OFT*
***Except** clear

IEC 60684-3-209

Standard packaging

Reel, dispenser box, meter length

Dimensions

Size mm	Min. ID supplied mm	Max. ID recovered mm	Recovered wall thickness (NOM) mm
1.5/0.5**	1.5	0.5	0.45
3/1	3.0	1.0	0.55
4.8/1.5**	4.8	1.5	0.60
6/2	6.0	2.0	0.70
9/3	9.0	3.0	0.70
12/4	12.0	4.0	0.70
18/6	18.0	6.0	0.80
24/8	24.0	8.0	1.00
39/13	39.0	13.0	1.15

****Non standard sizes**: 1,5/0,5 (except black and green-yellow) and 4,8/1,5 (except black)

Standard colours

black **white** **red** **blue** **yellow** **brown** **grey** **gys** **clear**

Non stock colours

violet **green** **orange**

Physical properties

Description	Test method	Typical value
Tensile strength	ASTM D 638	13 N/mm^2
Elongation at break	ASTM D 638	300%
Longitudinal change	ASTM D 2671	-10% to +1% -10% to +5% (clear)
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℃	ASTM D 2671	no dripping, cracking or flowing
Heat aging 168 hours at 175℃	ASTM D 638	elongation 200%
Low temp. flexibility at -55℃	ASTM D 2671 C	no cr acking
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^{16} ohm cm

Chemical properties

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