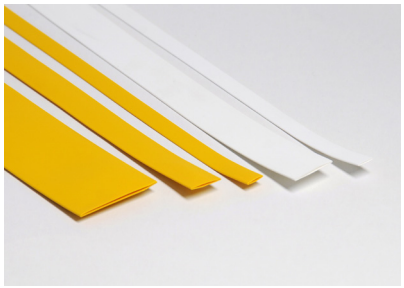
CON – C3 Heat Shrinkable Wire Markers

10/2010



MARKCON - C3

The CON-C3 Heat Shrinkable Endless Sleeving is made of very flexible and self extinguishing polyolefin tubing. UL224 recognized. Meets most industrial the requirements and is dedicated for flattening and thermal transfer printing purposes.

Dimensions

Size, Inches	Size, mm	Minimum ID, as supplied	Minimum ID, recovered	Recovered wall thickness, mm
3/32	2.4	2.4	0.8	0.43-0.63
1/8	3.2	3.2	1.0	0.43-0.68
3/16	4.8	4.8	1.6	0.43-0.68
1/4	6.4	6.4	2.0	0.56-0.71
3/8	9.5	9.5	3.0	0.56-0.71
1/2	12.7	12.7	4.0	0.56-0.80
3/4	19.0	19.0	6.0	0.80-1.00
1	25.4	25.4	8.0	0.81-1.15
1 ½	38.1	38.1	12.7	0.90-1.25

Physical

Properties	Test Method	Typical value
Tensile strength	ASTM D 638	>11 N/mm²
Elongation at break	ASTM D 638	>200%
Longitudinal change	ASTM D 2671	≤+5 %,≤-10%
Specific gravity	ASTM D 792	1.4 g/cm³
Water absorption	ASTM D 570	0.20%

Electrical

Properties	Test Method	Typical value
Dielectric strength	ASTM D 2671	20 kV/mm
Volume resistivity	ASTM D 257	10_{14} Ω cm

Standard colours
Yellow, white

Blue, red, black, orange, light green on request

Material
Cross linked polyolefin, shrink ratio 3:1

Operating temperature
-55°C to +135°C

Minimum shrink temperature
>90°C

Specifications
SAE-AMS-DTL-23053/5 class 1, UL 224 125°C 600V VW-1 (File No. E228117)

CON – C3 Heat Shrinkable Wire Markers

10/2010

Chemical

Properties	Test method	Typical value
Fungus resistance	AMS-DTL-7444	Pass, no growth
Chemical resistance	SAE-AMS-DTL-23053/5	Good

Thermal

Properties	Test method	Typical value
Heat shock (250°C x 4h)	ASTM D 2671	No dripping, cracking or flowing, pass
Heat ageing (175°C x 168h)	ASTM D 638	Elongation 200%
Copper corrosion	ASTM D 2671 B	Pass
Low temperature flexibility (-55°C x 4h)	ASTM D 2671 C	No cracking
Flammability	UL224	VW-1, pass

RoHS

Storage
Store in original packaging.
Recommended temperature at +10°C to +25°C
and 45-55% relative humidity
Use within 3 years from date of Manufacture.

Printer recommended
CAB A4+M 300dpi printer

Applications
Common uses include marking, insulation,
Wire bundling and mechanical protection.