



J. M. Engineering Co.

A collage of images related to engineering and industry, including a blue and white airplane, various colored heat shrink sleeves, rolls of yellow and green sleeves, a circuit board, and wind turbines. A yellow square is positioned behind the 'PRODUCTS' text.

PRODUCTS

A light gray world map is visible in the background of the central section.

Heat Shrink Sleeves

Single Wall Heat Shrink Sleeves



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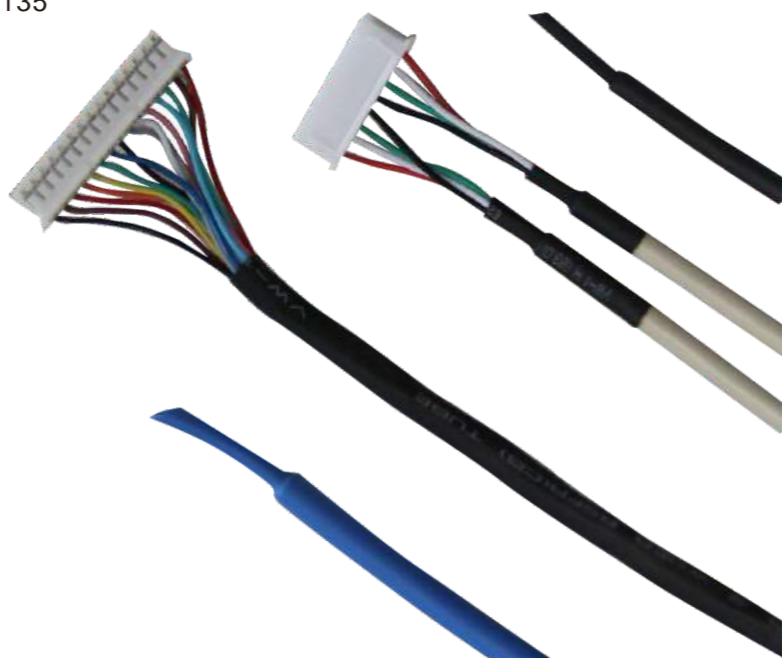
RSFR-135G(2X)

Flame retardant, multi-purpose
heat shrink tubing



Features

- Flexible
- Suitable for various applications
- Continuous Operating Temperature: -55 to 135
- Fully shrink temperature: 120
- RoHS compliant
- Meet SAE-AMS-DTL-23053/5
- Class 1 and 3



Dimensions

Size		As Supplied	After Recovery		Standard Package
Inch	mm	Internal Diameter mm	Internal Diameter mm	Wall Thickness mm	Spool Length M/spool
3/64	1.0	1.20	0.60	0.41±0.10	200
1/16	1.5	1.60	0.80	0.43±0.10	200
3/32	2.5	2.40	1.20	0.51±0.10	200
1/8	3.0	3.20	1.60	0.51±0.10	200
3/16	4.5	4.80	2.40	0.51±0.10	100
1/4	6.0	6.40	3.20	0.64±0.10	100
3/8	9.0	9.50	4.80	0.64±0.10	100
1/2	12	12.7	6.40	0.64±0.10	100
3/4	18	19.1	9.50	0.76±0.15	100
1	25	25.4	12.7	0.89±0.15	50
5/4	32	32	15.9	0.89±0.15	50
3/2	38	38	19.1	1.00±0.15	50
2	50	51	25.4	1.15±0.15	25
3	75	76	38.1	1.27±0.20	25
4	100	102	50.8	1.40±0.20	25
5	120	125	63.5	1.40±0.25	25

Technical Data

Property	Test Method	Typical Performance
Tensile strength(MPa)	ASTM D 2671	10.4
Ultimate elongation(%)	ASTM D 2671	200
Tensile strength after heat aged (Mpa)	175 X168h	7.3
Ultimate elongation after heat aged (%)	175 X168h	100
Longitudinal change(%)	ASTM D 2671	-5%~+5%
Flammability	ASTM D 2671 C method	VW-1
Voltage withstand	UL 224,2500V,60s	No breakdown
Heat shock	UL 224,250 × 4h	No cracks, flowing or dripping
Dielectric strength (kV/mm)	ASTM D 149	15
Volume resistivity (Ω·cm)	ASTM D 876	10 ¹⁴