

Protection for Wire Bundles, Connectors, Terminals



FRAG Tubing

Flexible, chemical and abrasion resistant tubing.



FRAG Tubing

Specially formulated for optimum high-temperature fluid resistance, and long term heat resistance. Resistant to diesel fuels, hydraulic fluids and lubricating oils. It is also well suited for the demands of motorsport cable harnesses.

Benefits

- FRAG is a heat-shrinkable, thick-wall tubing designed for harsh environments. It has excellent resistance to fluids at elevated temperatures and good long term heat resistance.
- FRAG is flexible as well as abrasion resistant. These properties make it ideal for the protection of electrical cables or similar components.
- RoHS/ELV compliant



Heat-Shrinkable, Flexible, Thick-Wall Tubing

Product Features

FRAG Tubing

- Continuous operating temperature from -75°C up to +150°C
- Minimum shrink temperature: 150°C
- Minimum full recovery temperature: 175°C
- Flame retarded
- 2:1 shrink ratio



Product Dimensions

- / • •	Inside Diameter		
D (min) Expanded as Supplied mm	d (max) Recovered after Heating mm	W (nom) Recovered after Heating mm	Ordering Description
3.2	1.6	0.80	FRAG-3.2/1.6-0
4.8	2.4	0.80	FRAG-4.8/2.4-0
6.0	3.5	0.90	FRAG-6.0/3.5-0
9.0	5.0	1.00	FRAG-9.0/5.0-0
12.0	7.0	1.25	FRAG-12.0/7.0-0
18.0	10.0	1.45	FRAG-18.0/10.0-0
25.0	13.0	1.80	FRAG-25.0/13.0-0
38.0	19.0	2.40	FRAG-38.0/19.0-0
51.0	25.0	2.80	FRAG-51.0/25.0-0
76.0	38.0	3.20	FRAG-76/38-0
	Expanded as Supplied mm 3.2 4.8 6.0 9.0 12.0 18.0 25.0 38.0 51.0	Expanded as Supplied mm Recovered after Heating mm 3.2 1.6 4.8 2.4 6.0 3.5 9.0 5.0 12.0 7.0 18.0 10.0 25.0 13.0 38.0 19.0 51.0 25.0	Expanded as Supplied mmRecovered after Heating mmRecovered after Heating mm3.21.60.804.82.40.806.03.50.909.05.01.0012.07.01.2518.010.01.4525.013.01.8038.019.02.4051.025.02.80

The largest size that will recover snugly over the component to be covered should be ordered. The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage. Other lenghts and sizes are available subject to special order.

Ordering Information

Standard Colour	Black (0)		
Size Selection	Always order the largest size that will shrink snugly over the component to be covered. Special order sizes are available upon request.		
Ordering Description	Specify product name, size and colour (for example FRAG-3.2/1.6-0)		
Specifications/Approvals	Series	TE	
	FRAG	RK-6176	



Shrinking Ratio

Operating

Temperature Range



175 °C

Shrink Temperature



Flame Retarded



Fluid Resistant

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