

## Q-175K



**175°C , CLEAR, SEMI-RIGID, HIGH TEMPERATURE,  
CHEMICAL RESISTANT PVDF TUBING  
SHRINK RATIO 2:1**

### Features/Applications

Semi-rigid flame retardant heat shrinkable polyvinylidene fluoride tubing for applications requiring high temperature performance, outstanding abrasion and cut-through resistance or superior chemical and solvent resistant properties. It reliably protects wires, solder joints, terminals, connectors and components from most industrial fluids, solvents and chemicals.



- Operating temperature: -55°C to +175°C
- Full recovery temperature: 175°C
- Approval: UL VW-1, File No. E245010
- Meets: SAE-AMS-DTL-23053/18
- Standard color: Clear
- RoHS Compliant

Technical Data		
Property	Test Method	Typical Data
Operating Temperature	IEC 216	-55°C to +175°C
Tensile Strength	ASTM D 2671	≥ 34.5 MPa
Ultimate Elongation	ASTM D 2671	≥ 150%
Ultimate Elongation After Aging	250°C, 168 hrs.	≥ 100%
Heat Shock	300°C, 1 hr.	No cracking
Cold Bend	-55°C, 1 hr.	No cracking
Dielectric Strength	ASTM D 2671	≥ 30 kV / mm
Volume Resistance	IEC 93	≥ 10 <sup>13</sup> Ω.cm
Flammability	VW-1	Pass

Product Dimensions							
Size		As Supplied (mm)	After Recovered (mm)		Standard Packaging		
Inch	mm	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min.)	Standard Spool *(SS) (Meter)	Cut to Length Pcs. *(QB) Qty per bag	
						6"	48"
3/64	1.2	1.2	0.6	0.20	200	32	25
1/16	1.6	1.6	0.8	0.20	200	28	25
3/32	2.4	2.4	1.2	0.23	200	24	25
1/8	3.2	3.2	1.6	0.23	200	20	25
3/16	4.8	4.8	2.4	0.23	100	16	25
1/4	6.4	6.4	3.2	0.28	100	12	25
3/8	9.5	9.5	4.8	0.28	-	8	25
1/2	12.7	12.7	6.4	0.28	-	4	5

- Notes:
- \* See Part Number Guide for standard packaging codes..
  - Cross Reference Guide available.
  - Special sizes, packaging, colors and cut pieces are available upon request.

# Mouser Electronics

Authorized Distributor

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## Qualtek:

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