

## Flexible Thin Wall PVDF Tubing



### Features:

- Crosslinked fluoropolymer
- Flexibility
- Highly flame resistant
- Superior physical and mechanical properties
- Excellent chemical and solvent resistance
- Excellent abrasion resistance
- Operating temp.: -55°C to +150°C
- Min. full recovery temp.: 150°C
- RoHS compliant
- Meets: SAE-AMS-DTL-23053/18

### Approvals:

- UL VW-1, File No: E249362

### Dimensions:

Size		As supplied (mm)		After recovered (mm)		Standard length
(inch)	(mm)	D*(Min.)	d*(Max.)	w*(Min.)		
3/64	1.2	1.2	0.6	0.26		200m/spool
1/16	1.6	1.6	0.8	0.26		200m/spool
3/32	2.4	2.4	1.2	0.26		200m/spool
1/8	3.2	3.2	1.6	0.26		200m/spool
3/16	4.8	4.8	2.4	0.26		1.22m
1/4	6.4	6.4	3.2	0.26		1.22m
3/8	9.5	9.5	4.8	0.30		1.22m
1/2	12.7	12.7	6.4	0.30		1.22m
3/4	19.1	19.1	9.5	0.41		1.22m
1	25.4	25.4	12.7	0.41		1.22m
1½	38.1	38.1	19.0	0.51		1.22m

D\* = Inner diameter as supplied    d\* = Inner diameter after fully recovered    w\* = Wall thickness after fully recovered

### Technical properties:

Property	Test Method	Typical Data
Tensile strength	ASTM D 2671	≥30 MPa
Ultimate elongation	ASTM D 2671	≥150%
Ultimate elongation after aging	180°C, 168 hrs.	≥100%
Heat shock	250°C, 4 hrs.	No cracking
Cold bend	-55°C, 4 hrs.	No cracking
Flammability	VW-1	Pass
Volume resistance	IEC 93	≥10 <sup>14</sup> Ω.cm
Copper corrosion	180°C, 168 hrs.	No corrosion
Copper stability	180°C, 168 hrs.	No sign of degradation

### Ordering information:

#### Standard colors:

Clear, Black

#### Special colors:

N/A

#### Packaging:

Standard packaging on spools and/or 1.22m.

Other: Other cut lengths are available, please contact our sales department.