

Flexible, Highly Flame Retardant Tubing



Features:

- Crosslinked polyolefin
- Highly flame retardant
- Ideal for color coding
- Flexible
- Wide range of colors
- Resistant to common fluids and solvents
- Operating temp.: -55°C to +135°C
- Min. shrink temp.: 70°C
- Min. full recovery temp.: 100°C
- Shrink ratio: 2:1
- RoHS compliant
- Meets: SAE-AMS-DTL-23053/5 Class 1 & 3

Approvals:

- 125°C VW-1 600V
- File No: E204071

Technical properties:

Property	Test Method	Typical Data
Tensile strength	ASTM D 2671	>14 MPa
Ultimate elongation	ASTM D 2671	>600%
Longitudinal shrinkage	UL 224	0±5%
Eccentricity	ASTM D 2671	<30%
Heat aging		
Tensile strength	175°C, 168 hrs.	>11 MPa
Ultimate elongation		>350%
Flammability	VW-1	Pass
Voltage withstand	ASTM D 2671/AC 2500V, 1 min.	No breakdown
Dielectric strength	ASTM D 150	>20 kV/mm
Volume resistance	ASTM D 2671	>10 ¹⁴ Ω .cm
Copper stability	UL 224	Pass
Copper corrosion	UL 224	No corrosion

Dimensions:

Size (inch)	As supplied (mm)		After recovered (mm)		Standard length (m/spool)
	(mm)	D*(Min.)	d*(Max.)	w*(Min.)	
3/64	1.2	1.2	0.6	0.40	300
1/16	1.6	1.6	0.8	0.40	300
3/32	2.4	2.4	1.2	0.48	300
1/8	3.2	3.2	1.6	0.48	300
3/16	4.8	4.8	2.4	0.48	300
1/4	6.4	6.4	3.2	0.56	300
5/16	8.0	8.0	4.0	0.62	150
3/8	9.5	9.5	4.8	0.62	150**
1/2	12.7	12.7	6.4	0.62	150
5/8	15.9	15.9	8.0	0.68	75
3/4	19.1	19.1	9.5	0.68	75
1	25.4	25.4	12.7	0.87	75
1¼	31.8	31.8	15.9	1.00	30
1½	38.1	38.1	19.1	1.00	30
2	50.8	50.8	25.4	1.10	30
3	76.2	76.2	38.1	1.20	30
4	102.0	102.0	50.8	1.35	15
5	125.0	125.0	63.5	1.40	15
6	151.0	151.0	75.0	1.40	15

D* = Inner diameter as supplied d* = Inner diameter after fully recovered w* = Wall thickness after fully recovered
 ** = Flat shape. Airfilled or oval shape is available on request.

Ordering information:

Standard colors:

Black

Special colors:

Red, Blue, Yellow, Green, White, Clear [Class 2, size available up to 3 inch (76.2 mm)]

Special colors are available on request. Please contact our sales department for non standard requests.

Packaging:

Standard packaging on spools.

Special: 1m, 1.22m pieces are available on request.

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