

# Suflex<sup>®</sup> Astra<sup>®</sup> 077

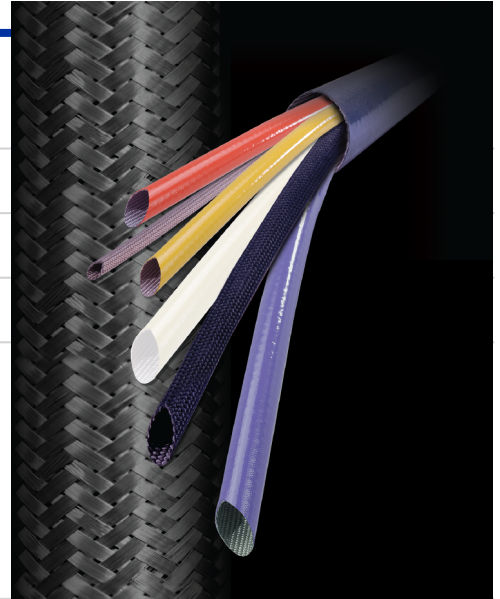
## General Purpose Tubing

**Temp Class:** 85° C

**Material:** Polyvinylchloride Tubing

**Sizes Available:** AWG #24 through 2-1/2" I.D.

**Colors Available:** Black



## Features

- ▶ Designed for operation in the -35°C to 85°C temperature range.
- ▶ Self-extinguishing and does not support combustion.
- ▶ Good oil resistance and outstanding deformation resistance at 120°C.
- ▶ Excellent low temperature flexibility.

## Product Description

Suflex Astra 077 tubing is a specially formulated polyvinylchloride tubing designed for continuous operation in the -35°C to 85°C temperature range. It is self-extinguishing and does not support combustion. Astra 077 has good oil resistance and outstanding deformation resistance at 120°C. It remains flexible at extremely low temperatures, making it ideal for automotive and recreational vehicle harnesses. Specialty colors and metric sizes available upon request.

## Suggested Applications

Suflex Astra 077 is recommended for harnessing, cable or conduit installations, especially where low temperatures are to be encountered such as automotive, aircraft, motor boats, all-terrain vehicles, boat trailers and motor homes.

# Suflex® Astra® 077

## Sizes Available

Size	Inside Diameter, in. (mm)		Nominal I.D.
	Maximum	Minimum	
24 AWG	0.027 (0.69)	0.020 (0.51)	0.022
22 AWG	0.032 (0.81)	0.025 (0.64)	0.027
20 AWG	0.039 (0.99)	0.032 (0.81)	0.034
19 AWG	0.044 (1.11)	0.036 (0.91)	0.040
18 AWG	0.049 (1.25)	0.040 (1.02)	0.042
17 AWG	0.054 (1.37)	0.045 (1.14)	0.047
16 AWG	0.061 (1.55)	0.051 (1.30)	0.053
15 AWG	0.067 (1.70)	0.057 (1.45)	0.059
14 AWG	0.074 (1.88)	0.064 (1.63)	0.066
13 AWG	0.082 (2.08)	0.072 (1.83)	0.076
12 AWG	0.091 (2.31)	0.081 (2.06)	0.085
11 AWG	0.101 (2.60)	0.091 (2.31)	0.095
10 AWG	0.112 (2.80)	0.102 (2.60)	0.106
9 AWG	0.124 (3.20)	0.114 (2.90)	0.118
8 AWG	0.141 (3.60)	0.129 (3.30)	0.133
7 AWG	0.158 (4.00)	0.144 (3.70)	0.148
6 AWG	0.178 (4.50)	0.162 (4.10)	0.166
5 AWG	0.198 (5.00)	0.182 (4.60)	0.186
4 AWG	0.224 (5.70)	0.204 (5.20)	0.208
3 AWG	0.249 (6.30)	0.229 (5.80)	0.234
2 AWG	0.278 (7.10)	0.258 (6.60)	0.263
1 AWG	0.311 (7.90)	0.289 (7.30)	0.294
0 AWG	0.347 (8.80)	0.325 (8.30)	0.330
3/8"	0.399 (10.10)	0.375 (9.50)	0.375
7/16"	0.462 (11.70)	0.438 (11.10)	0.438
1/2"	0.524 (13.30)	0.500 (12.70)	0.500
5/8"	0.655 (16.70)	0.625 (15.90)	0.625
3/4"	0.786 (20.00)	0.750 (19.10)	0.750
7/8"	0.911 (23.20)	0.875 (22.20)	0.875
1"	1.036 (26.30)	1.000 (25.40)	1.000
1-1/8"	1.161 (29.60)	1.125 (28.70)	1.125
1-1/4"	1.286 (32.80)	1.250 (31.90)	1.250
1-1/2"	1.536 (39.20)	1.500 (38.30)	1.500
1-3/4"	1.786 (45.50)	1.750 (44.60)	1.750
2"	2.036 (51.90)	2.000 (51.00)	2.000
2-1/4"	2.330 (59.40)	2.250 (57.40)	2.250
2-1/2"	2.536 (64.70)	2.500 (63.80)	2.500

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## Product Specifications

Property	Test Method	Typical Value
Tensile Strength, psi	MIL-I-631	2400
Ultimate Elongation %	MIL-I-631	350
Cold Brittleness	UL 224	-35°C
Oil Resistance	4h at 70°C	70% Tensile Retention
	ASTM #2 Oil	70% Elongation Retention
Flame Resistance	Vertical Flame Exposure Extinguish within 15 sec	Pass
Deformation	UL 224 120°C 1 hour	0%
Insulation Resistance	ASTM D149	2×10 ohm-cm
Specific Gravity	ASTM D792	1.34
Hardness	Shore A	80
	ASTM D676	

\*All Atkins & Pearce coated insulation solutions are REACH and RoHS compliant.