

# Neoprene Flex Conductive

Specifications

January 2013

**Construction:** Double-ply neoprene coated black polyester fabric hose construction coated with a conductive elastomer reinforced with a spring steel wire helix.

## Product Features:

- \* Good crush resistance & tensile strength
- \* Neoprene coating offers excellent abrasion and chemical resistance
- \* Good flexibility
- \* More durable than double-ply cotton hoses
- \* High conductivity reduces the danger of static build up and allows electrostatic buildup to escape when properly grounded
- \* Surface Resistance Level:  $10^3$  to  $10^5$  Ohms/Square

**Applications:** Abrasives, Air, Dust, Fume, Materials.

**Temperature Range:** - 40 F to + 250 F

**Sizes I.D. (inches):** 1, 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 22 & 24 inch I.D., Custom size to 60 Inch I.D.

**ID Tolerances:** To 8 Inch: -0.00 to + 0.125 Inch  
8 Inch and over: -0.00 to + 0.250 Inch

**Standard Length:** 25 Feet

**Standard Colors:** Black

**End Finish:** Plain Cut (Cuffs available)

**Markets:** Static Control

Rubber-Cal, Inc.  
620 West Warner Ave  
Santa Ana, CA 92707  
800-370-9152

[www.ducting.com](http://www.ducting.com)



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Size Inside Diameter (Inches)	Approximate Weight Lbs./ft.	Min Centerline Bend Radius (Inches)	Compression Ratio	Max Recommended Negative Pressure (IN./HG)	Max Recommended Positive Pressure (PSI)
1	0.145	1	2.8 to 1	29	30
1.25	0.178	1.2	2.8 to 1	29	30
1.5	0.21	1.4	2.8 to 1	29	30
2	0.297	2	2.8 to 1	29	30
2.5	0.303	2	2.9 to 1	29	30
3	0.361	2.13	3 to 1	29	29
3.5	0.42	2.48	3 to 1	25	21
4	0.586	2.8	3.7 to 1	29	16
4.5	0.655	3.15	3.7 to 1	23	16
5	0.727	3.5	3.7 to 1	22	15
6	1	4	4 to 1	22	13
7	1.15	4.7	4 to 1	14	14
8	1.138	5.5	5 to 1	7.3	10
10	1.417	7	5 to 1	3.79	8
12	1.695	8.2	5 to 1	2.22	7
14	2.38	9.4	5.5 to 1	3.11	5
16	2.72	10.8	5.5 to 1	2.09	4
18	3.2	12	5 to 1	1.5	4
24	4.2	16	5 to 1	0.62	3

Note: Technical data based on 2 ft. straight lengths of hose 72 F.

**Disclaimer:** The proper use and maintenance of the hose and/or duct is the sole responsibility of the purchaser and ultimate user of the product. This information is presented as a general guide only. The number of variables which can be present in any application make firm recommendations impossible. Adequate testing under actual service conditions is necessary to properly establish suitability. We take pride in the quality of all of our products and we welcome comments and suggestions from our customers.

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