



## NL525 / NL530 / NL535 / NL540 - SAE100R14 PTFE Lined SS Braided

These are PTFE bored hoses with a 304 stainless steel cover which also acts as the reinforcement. They can be used in short lengths for a variety of fluid, hydraulic, air compressor, or gas applications where temperature, purity, or corrosion resistance are of prime concern, such as on short, low pressure steam lines (not for steam/cold water cycling), food grade beverage transfer lines (meets FDA 21 CFR 177.1550), chemical lines, or for truck/bus air compressor discharge. Our NL530 or NL540 PTFE with a black static conductive liner should be used where static build up is a concern, as well as with fuels, flammables, and steam. Since the reinforcement is exposed and also acts as a cover, it is NOT designed for abusive or rugged environments - nor is it designed for long continuous pipe-runs or radiant heating systems. Due to the rigid nature of PTFE tubing, special attention must be taken to prevent this hose from kinking or exceeding its bend radius (for additional bending capabilities refer to our NL535/540 Series Convoluted Hose).



NL525 Natural White Smooth Tube (Standard)



NL530 Black Static Conductive Smooth Tube (Optional)



NL535 Convoluted Lined White Tube



NL540 Convoluted Black Conductive Tube



Our standard NL525 SAE100R14 has a white PTFE tube; for applications where static electricity is a problem, please use our NL530 SAE100R14 static conductive with a black PTFE tube. For chemical applications, always refer to a chemical resistance charts and drain after use. Where there are risks of asphyxiation, hose should be installed in well vented areas.

**Temperature Range:** Continuous: -54°C (-65°F) to +232°C (450°F). Steam only: to +200°C (388°F)

**Construction:** Tube: White extruded 0.030" smooth bore PTFE. Cover and Reinforcement: One layer of high tensile 304SS steel wire.

**Typical Fittings:** NL525/530 Hose - N526xx brass permanent crimp, N525xx brass reusable, N527xx stainless permanent crimp, N528xx/N529xx 2-piece permanent crimp. NL535/540 Hose - N537xx stainless permanent crimp, N538xx 2-piece permanent crimp, Aeroquip OTC Crimp fittings. For corrosive applications, we can also supply "PTFE encapsulated" stainless ends (for wetted surfaces).

PTFE Tube I.D.	Part #	Outside Diameter	W. Pressure @ 20°C (68°F)	Bend Radius	Weight (lbs/ft)	Stk	Regular Price/ft	Bulk Price/ft	Bulk Length
<b>Standard White Tube SAE100R14</b>									
3/16"	NL525-04	.31"	3000 psi	2.0"	.07	A	\$ 8.67	\$ 7.22	50-100 ft
1/4"	NL525-05	.37	3000	3.0	.10	C	9.82	8.18	50-100
5/16"	NL525-06	.43	2500	4.0	.11	A	11.70	9.75	50-100
13/32"	NL525-08	.52	2000	5.2	.13	A	13.50	11.25	50-100
1/2"	NL525-10	.62	1500	6.5	.15	A	16.29	13.57	50-100
5/8"	NL525-12	.76	1200	7.7	.17	A	21.76	18.13	50-75
7/8"	NL525-16	1.0	1000	9.0	.27	B	29.98	24.98	50-60
1-1/8"	NL525-20	1.3	800	16.0	.54	N	62.32	51.93	40
<b>Black Static Conductive Tube</b>									
3/16"	NL530-04	.31"	3000 psi	2.0"	.07	C	\$ 9.82	\$ 8.18	100 ft
1/4"	NL530-05	.37	3000	4.0	.10	C	10.71	8.92	100
5/16"	NL530-06	.43	2500	4.0	.11	C	12.63	10.52	100
13/32"	NL530-08	.52	2000	5.2	.13	C	15.26	12.71	100
1/2"	NL530-10	.62	1500	6.5	.15	C	17.97	14.97	100
<b>Convoluted White Tube</b>									
3/8"	NL535-06	0.56"	1700 psi	2.0"	.23	N	\$ 30.42	\$ 25.35	100 ft
1/2"	NL535-08	0.75	1500	3.0	.27	N	38.27	31.89	100
3/4"	NL535-12	1.01	1300	3.5	.43	N	49.84	41.53	100
1"	NL535-16	1.30	1000	4.0	.63	N	70.72	58.93	100
1-1/4"	NL535-20	1.57	900	4.5	.75	N	87.60	73.00	50
1-1/2"	NL535-24	1.89	700	5.0	.88	N	121.67	101.39	50
2"	NL535-32	2.38	500	5.5	1.11	N	145.13	120.94	50
<b>Convoluted Black Static Conductive Tube</b>									
3/8"	NL540-06	0.56"	1700 psi	2.0"	.23	N	\$ 33.08	\$ 27.56	100 ft
1/2"	NL540-08	0.75	1500	3.0	.27	N	46.64	38.86	100
3/4"	NL540-12	1.01	1300	3.5	.43	N	59.50	49.58	100
1"	NL540-16	1.30	1000	4.0	.63	N	87.28	72.73	100
1-1/4"	NL540-20	1.57	900	4.5	.75	N	105.44	87.86	50
1-1/2"	NL540-24	1.89	700	5.0	.88	N	127.79	106.49	50
2"	NL540-32	2.38	500	5.5	1.11	N	158.39	131.99	50

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