

Coolant Systems - Hose

Vulco Straight Coolant Hose

Specially engineered stick hose is ideal for straight coolant/air connections in automotive, stationary engine, industrial and home applications.



- Heat-resistant cover.
 - Meets SAE 20R1 Standard Wall Class D-2 requirements.
 - Cover marked in one-inch increments for easy measuring and cutting allows "custom fit" light-duty coolant installations.
 - Temperature rating: -40°F to +257°F [-40°C to +125°C].
- Caution:** Do not use for fuel or oil transfer applications.

Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]
24008	1/2	105	24026	1 5/8	55	24042	2 5/8	30
24012	3/4	80	24028	1 3/4	50	24044	2 3/4	30
24014	7/8	80	24030	1 7/8	50	24046	2 7/8	25
24016	1	75	24032	2	50	24048	3	25
24018	1 1/8	75	24034	2 1/8	45	24052	3 1/4	20
24020	1 1/4	65	24036	2 1/4	40	24056	3 1/2	18
24022	1 3/8	65	24038	2 3/8	40	24064	4	12
24024	1 1/2	60	24040	2 1/2	35			

Wire-Inserted Green Stripe® Coolant Hose

Provides the ability to replace many sizes of tailor-made curved hoses. Results in maximum coverage with minimum inventory. Approved for marine applications.



- Heavy-duty fabric reinforcement with helical carbon steel wire.
- Bends easily to make curved connections.
- Cuts easily with knife and wire cutters to reduce installation time.
- Exceeds SAE 20R2 Type EC [Class D2 Tube and cover] except in vacuum applications.
- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Temperature rating: -40°F to +257°F [-40°C to +125°C].

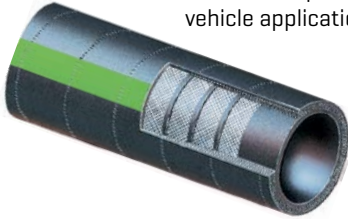


Note: Long spans must be supported every 3 feet.
Caution: Do not use for fuel or oil transfer applications.

Part No. 5 Ft.	Part No. 10 Ft.	I.D. [In.]	Work. Press. [psi]	Vacuum [In. Hg.]	Min. Bend Radius [In.]	Part No. 5 Ft.	Part No. 10 Ft.	I.D. [In.]	Work. Press. [psi]	Vacuum [In. Hg.]	Min. Bend Radius [In.]
24916	28316	1	100	25	2	24938	—	2 3/8	50	20	6 1/2
24918	—	1 1/8	100	25	2 1/2	24940	28340	2 1/2	50	20	6 1/2
24920	28320	1 1/4	100	25	2 1/2	24942	—	2 5/8	40	15	7 1/2
24922	—	1 3/8	85	25	3	24944	28344	2 3/4	40	15	7 1/2
24924	28324	1 1/2	85	20	3 1/2	24946	—	2 7/8	40	15	9
24926	28326	1 5/8	75	20	3 1/2	24948	28348	3	40	15	9
24928	28328	1 3/4	75	20	4	24956	28356	3 1/2	35	15	12
24930	28330	1 7/8	60	20	4 1/2	24964	—	4	30	10	20
24932	28332	2	60	20	4 1/2	24980	—	5	15	5	24
24934	—	2 1/8	55	20	5 1/2	24996	—	6	15	5	30
24936	28336	2 1/4	55	20	5 1/2						

Coolant Systems - Hose

Green Stripe® 4-Ply Coolant Hose



For severe operating conditions found on stationary engines, construction equipment and off-road vehicle applications. Nitrile tube specially compounded to handle common coolants and additives.

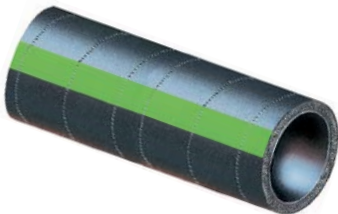
- Four-ply woven, heavy-duty fabric reinforcement.
- Neoprene cover resists heat, abrasion and oil.
- Handles higher temperatures and resists petroleum additives.
- Exceeds SAE 20R1 [Class B Tube, Class C Cover, Heavy Wall].
- Reduces water loss from water permeating the hose wall and cover, a distinct advantage over silicone.
- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Temperature rating: -40°F to +212°F [-40°C to +100°C], intermittent to +257°F [+125°C].



Caution: Do not use for gasoline or diesel transfer applications.

Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]
24428	1 ³ / ₄	100	24440	2 ¹ / ₂	75	24452	3 ¹ / ₄	50
24430	1 ⁷ / ₈	100	24442	2 ⁵ / ₈	75	24456	3 ¹ / ₂	50
24432	2	90	24444	2 ³ / ₄	60	24458	3 ⁵ / ₈	50
24434	2 ¹ / ₈	90	24446	2 ⁷ / ₈	60	24460	3 ³ / ₄	50
24436	2 ¹ / ₄	90	24448	3	60	24464	4	40
24438	2 ³ / ₈	90	24450	3 ¹ / ₈	60	24480	5	40

Green Stripe® 2-Ply Straight Coolant Hose



Stick hose designed for demanding heavy-duty coolant/air applications. Approved for marine applications.

- Two-ply bias fabric construction to maximize flexibility and strength.
- Resists “cold water leaks” due to advanced EPDM tube and cover that stay soft and pliable, even under adverse operating conditions.
- Exceeds SAE 20R1 Type EC [Class D-1 Tube, and cover, Standard Wall].
- Cover marked in one-inch increments to facilitate approximate cut lengths, allows “custom-fit” installations.
- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Temperature rating: -40°F to +257°F [-40°C to +125°C].



Note: For a maintenance free connection, use PowerGrip® SB clamps.

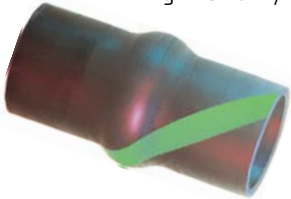
Caution: Do not use for fuel or oil transfer applications.

Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]
24212	3/4	100	24230	1 ⁷ / ₈	75	24248	3	25
24214	7/8	100	24232	2	60	24250	3 ¹ / ₈	25
24216	1	100	24234	2 ¹ / ₈	60	24252	3 ¹ / ₄	20
24218	1 ¹ / ₈	100	24236	2 ¹ / ₄	60	24256	3 ¹ / ₂	18
24220	1 ¹ / ₄	100	24238	2 ³ / ₈	60	24260	3 ³ / ₄	18
24222	1 ³ / ₈	100	24240	2 ¹ / ₂	60	24264	4	12
24224	1 ¹ / ₂	100	24242	2 ⁵ / ₈	60	24272	4 ¹ / ₂	12
24226	1 ⁵ / ₈	85	24244	2 ³ / ₄	60			
24228	1 ³ / ₄	75	24246	2 ⁷ / ₈	55			

Coolant Systems - Hose

Green Stripe® Vibraflex® Coolant Hose

For heavy-duty applications requiring short length hose that must absorb vibration and/or fitting misalignment. High flexibility reduces installation time and provides lower cost-per-mile operation.



- Oil and heat-resistant nitrile tube.
 - Oil, abrasion and heat-resistant neoprene cover.
 - Exceeds SAE J20 [Class B Tube and Class C Cover].
 - Two-ply fabric reinforced.
 - Temperature rating: -40°F to +212°F [-40°C to +100°C].
- Caution:** Do not use for gasoline or diesel transfer applications.



Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]
23505	1 1/4 x 4	70	23547	2 1/4 x 4 1/2	40	23567	2 3/4 x 4 1/2	30
23511	1 3/8 x 5	60	23557	2 3/8 x 5	35	23568	2 3/4 x 5 3/8	30
23515	1 1/2 x 5	60	23559	2 3/8 x 6 1/4	35	23572	3 x 4	25
23520	1 3/4 x 5	55	23562	2 1/2 x 4 1/2	35	23575	3 x 7	25
23531	2 x 3 1/2	50	23550	2 1/2 x 6	35	23585	3 1/2 x 5 1/2	25
23533	2 x 5	50	23566	2 3/4 x 3 1/4	30			

Silicone Coolant Hose

Extra long-lasting hose constructed with silicone rubber. Ideal for extremely high temperature service in radiator, heater and other coolant transfer hose applications.



- Excellent for extreme ambient and radiant temperature conditions.
 - Resists weathering, ozone, heat and coolant deterioration.
 - Silicone tube and cover resist prolonged exposure to under-hood and coolant heat.
 - Use PowerGrip® SB clamps or silicone hose clamps.
 - Exceeds SAE 20R1 [Class A Standard Wall].
 - Temperature rating: -70°F to +350°F [-56°C to +177°C].
- Caution:** Do not use for fuel or oil transfer applications.

Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]
24808	1/2	110	24820	1 1/4	85	24836	2 1/4	75	24852	3 1/4	40
24810	5/8	110	24822	1 3/8	85	24838	2 3/8	65	24856	3 1/2	35
24812	3/4	110	24824	1 1/2	85	24840	2 1/2	65	24860	3 3/4	35
24814	7/8	110	24826	1 5/8	80	24844	2 3/4	50	24864	4	35
24816	1	90	24828	1 3/4	80	24848	3	50	24872	4 1/2	25
24818	1 1/8	90	24832	2	75	24850	3 1/8	40			

Coolant Systems - Hose

FleetRunner® Hi-Temp Coolant Hose



Built to excel in the extreme conditions of modern heavy-duty engine compartments, FleetRunner Hi-Temp Straight Coolant Hose is the durable solution for extended use in heavy-duty trucks.

- Advance peroxide-cured EPDM rubber.
- Exceeds SAE 20R1 specifications.
- Resists electrochemical degradation.
- High working pressure rating.
- Temperature rating: -40°F to 300°F [-40°C to +149°C].

Part No.	I.D. [In.]	Work. Press. [psi]	Part No.	I.D. [In.]	Work. Press. [psi]
24614	7/8" X 3'	150	24630	1 7/8" x 3'	150
24616	1" x 3'	150	24632	2" x 3'	150
24618	1 1/8" x 3'	150	24636	2 1/4" x 3'	125
24620	1 1/4" x 3'	150	24638	2 3/8" x 3'	125
24622	1 3/8" x 3'	150	24640	2 1/2" x 3'	125
24624	1 1/2" x 3'	150	24644	2 3/4" x 3'	125
24626	1 5/8" x 3'	150	24648	3" x 3'	125
24628	1 3/4" x 3'	150			

Molded Silicone Coolant Hose

Heavy-duty engines with advanced emissions systems [from 2007 to current model year] produce higher under-hood temperatures, requiring the use of silicone coolant hose. In these low engine-air-flow and high-heat conditions, Gates Silicone Coolant Hose is the perfect product.



- Premium 4-ply construction.
- High-heat resistance material meets or exceeds OE specifications.
- Industry standard blue cover for easy identification.
- Used when hose routing passes near turbo or hot side of the charged air system.

Gates also offers application-specific molded silicone coolant hose for exact dimensional specifications.

45° Bent [+350°F/+177°C]		90° Elbow [+350°F/+177°C]		Hi-Temp [+500°F/+260°C]	
Part No.	I.D. [In.]	Part No.	I.D. [In.]	Part No.	I.D. [In.]
28205	1 3/4	28217	1 3/4	28225	1
28206	2	28210	2	28226	1 1/4
28207	2 1/4	28211	2 1/4	28227	1 1/2
28200	2 1/2	28212	2 1/2	28228	1 3/4
28201	2 3/4	28213	2 3/4	28229	2
28202	3	28214	3	28230	2 1/4
28203	3 1/2	28215	3 1/2	28231	2 1/2
28204	4	28216	4	28232	2 3/4
				28233	3

Coolant Systems - Hose

90° Molded Heater Hose

Especially designed for difficult heater hose applications requiring sharp 90° bends in the hose. Eliminates the need for extensive inventory of OE type curved heater hose. Just 22 sizes handle thousands of applications.



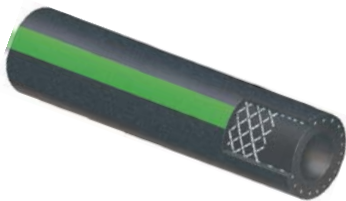
- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Resists water permeation.
- Similar to heater SAE 20R3 Type EC Class D-2.
- Use with heater hose connectors and bulk heater hose for virtually complete molded heater hose coverage.
- Temperature rating: -40°F to +275°F [-40°C to +135°C].

Caution: Do not use for fuel or oil transfer applications.

Arm Lengths [In.]	Arm Lengths [mm]	1/4" [6.35mm]	5/16" [7.9mm]	3/8" [9.5mm]	1/2" [12.7mm]	5/8" [15.9mm]	5/8" x 3/4" [15.0 x 19.1mm]	3/4" x 5/8" [19.1 x 15.9mm]	3/4" [19.0mm]
4 x 6	101.6 x 152.4	18010	18020	18030	28460	28466	18079	18070	28474
4 x 12	101.6 x 304.8	18011	18021	18031	28461	28467	—	18071	28475
4 x 18	101.6 x 457.2	—	—	—	28462	28468	18076	—	28476
8 x 18	203.2 x 457.2	—	—	—	28463	28469	—	18072	—
4 x 24	101.6 x 609.6	—	—	—	28464	28470	—	18073	28477
8 x 24	203.2 x 609.6	—	—	—	—	—	—	—	28478
4 x 33	101.6 x 825.0	—	—	—	—	—	18077	—	—
8 x 34	203.2 x 863.6	—	—	—	—	—	—	18078	—
4 x 36	101.6 x 914.4	—	—	—	28465	28471	—	18074	28479
4 x 48	101.6 x 1219.2	—	—	—	—	28472	—	—	28480
4 x 60	101.6 x 1524.0	—	—	—	—	28473	—	18075	28481

Green Stripe® Heater Hose

Heavy-duty construction assures dependable operation in truck, bus and off-road equipment heater systems. For a maintenance free connection, install with PowerGrip® SB clamps. Approved for marine applications.



- Green Stripe construction provides best cost-per-mile economics.
- Cover is abrasion resistant.
- Advanced EPDM tube, cover and reinforcement withstand high under-hood and coolant temperatures. Designed for extended use without cracking or hardening.
- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Exceeds SAE 20R1 Type EC, Standard Wall Class D-1.
- Reduces water loss from water permeating the hose wall and cover, a distinct advantage over silicone.
- Temperature rating: -40°F to +275°F [-40°C to +135°C].

Caution: Do not use for fuel or oil transfer applications.

Part No.	I.D. [In.]	Length [Ft.]	Working Pressure [psi]	Part No.	I.D. [In.]	Length [Ft.]	Working Pressure [psi]
28439	1/2	50	105	28445	1 1/4	50	70
28441	5/8	50	95	28440	1/2	300	105
28442	3/4	50	80	28447	5/8	300	95
28443	7/8	50	80	28448	3/4	300	80
28444	1	50	75	28449	1	300	75

Coolant Systems - Hose

Firewall® Heater Hose



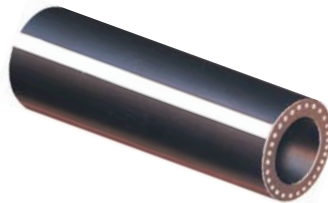
Extra heavy-duty hose designed for maximum durability. Easily recognized by its red cover.

- Unaffected by most coolants and non-oil based coolant additives.
- Unaffected by high cooling system pressures.
- Good resistance to high temperatures for extended periods of time.
- Similar to SAE 20R3 Class D-2.
- Temperature rating: -40°F to +257°F [-40°C to +125°C].

Caution: Do not use for fuel or oil transfer applications.

Part No.	I.D. [In.]	Length [Ft.]	Working Pressure [psi]
28430	1/2	50	60
28431	5/8	50	60
28432	3/4	50	50
28433	5/8	250	60
28434	3/4	250	50

Safety Stripe® Heater Hose



EPDM hose constructed for extra-long service life.

- Unaffected by most coolants and non-oil based coolant additives.
- Unaffected by high cooling system pressures.
- Good resistance to high temperatures for extended periods of time.
- Similar to SAE 20R3 Class D-2.
- Not recommended for heavy-duty truck, bus and off-road construction equipment; use Green Stripe® heater hose for these applications.
- Temperature rating: -40°F to +257°F [-40°C to +125°C].

Caution: Do not use for fuel or oil transfer applications.

Part No.	I.D. [In.]	Length [Ft.]	Working Pressure [psi]	Part No.	I.D. [In.]	Length [Ft.]	Working Pressure [psi]
28407	1/4	50	60	8417	5/8	250 [reel]	60
28408	5/16	50	60	28412	3/4	50	50
28409	3/8	50	60	28418	3/4	250 [reel]	50
28410	1/2	50	60	28413	1	50	45
28411	5/8	50	60	28420	1	25	45