

C5C Hydraulic Hose—SAE 100R5

Recommended For: Medium pressure hydraulic petroleum-based oil lines in impulse applications, lube oil, air and water in applications such as air brakes, power steering (CAUTION: Intended for heavy-duty commercial vehicle use only), turbocharger oil supplies, tilt cab cylinders, transmission coolant and filtration lines. Meets or exceeds requirements of SAE 100R5 for traditional hydraulic applications, DOT FMVSS 106-74 Type All and SAE J1402 Type All for air brake applications (-4 to -12). Not recommended for gasoline or diesel fuel.

Tube: -4 and -5: black, oil and heat resistant synthetic rubber (Neoprene - Type A); -6 through -40: (Nitrile - Type C). See Hose Stock Characteristics.

Reinforcement: One braid of high-tensile carbon steel wire over one braid of polyester.

Cover: Black, oil and mildew resistant, polyester braid.

Temperature Range: Under SAE 100R5 (hydraulic) conditions -40°F to +212°F (-40°C to +100°C). All-purpose fleet application (hot lube oil lines) -40°F to +300°F (-40°C to +149°C). Air to +160°F (+71°C) only. Avoid continuous use at maximum temperature concurrent with maximum working pressures. For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):
C5 Field Attachable Couplings (Section P)



Order Code	Hose I.D. (In.)	Hose O.D. (In.)	Working Pressure (psi.)	Min. Burst Pressure (psi.)	Min. Bend Radius (In.)
C5C-04	3/16"	0.52	3,000	12,000	3.0
C5C-05	1/4"	0.58	3,000	12,000	3.4
C5C-06	5/16"	0.67	2,250	9,000	4.0
C5C-08	13/32"	0.77	2,000	8,000	4.6
C5C-10	1/2"	0.92	1,750	7,000	5.5
C5C-12	5/8"	1.08	1,500	6,000	6.5
C5C-16	7/8"	1.23	800	3,200	7.4
C5C-20	1-1/8"	1.50	625	2,500	9.0
C5C-24	1-3/8"	1.75	500	2,000	10.5
C5C-32	1-13/16"	2.22	350	1,400	13.3
C5C-40	2-3/8"	2.88	350	1,400	24.0

NOTE: Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.

Nylon Air Brake Tubing

Recommended For: Truck, bus and mobile air brake, and service lines where heat and battery acids are not present. Conforms to SAE J844 specifications. Meets D.O.T. FMVSS 106-74.

Tube: Heat and light stabilized seamless extruded nylon.

Reinforcement: Type A: Non-reinforced in sizes 1/8", 5/32", 3/16" and 1/4". NOTE: 1/8" and 5/32" are NOT recognized by D.O.T. for air brake systems, these are for service lines only.

Type B: Reinforced with one open ply of fibrous nylon in sizes 5/16", 3/8", 1/2", 5/8" and 3/4".

Cover: Nylon. Available in black (NABTA), blue (NABTB), green (NABTG), red (NABTR), yellow (NABTY), orange (NABTO), purple (NABTP), brown (NABTN), silver (NABTS) and white (NABTW) colors. Other colors available upon request.

Temperature Range: -40°F to +200°F (-40°C to +93°C).

Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):
Gates DOT SureLok™ Couplings (Section Q)



Order Code	Hose I.D. (In.)	Hose O.D. (In.)	Working Pressure (psi.)	Min. Burst Pressure (psi.)	Min. Bend Radius (In.)
NABTA-02		1/8"	150	800	0.37
NABTA-04		1/4"	150	800	1.0
NABTA-05		5/16"	150	800	1.25
NABTA-06		3/8"	150	800	1.5
NABTA-08		1/2"	150	760	2.0
NABTA-10		5/8"	150	720	2.5
NABTA-12		3/4"	150	640	3.0