



AEROQUIP INNOVATIONS

FC659 Hose

**THE MOST FLEXIBLE SAE 100R12 HOSE
IN THE INDUSTRY**

Aeroquip is pleased to introduce FC659 hose, the most flexible, best-performing SAE 100R12 hose on the market. We've always known how to make a critical performance product, but now we know how to make that same critical performance product the most flexible product, too. Through the development of our flexibility test stand, we have been able to determine exactly what makes hose flexible, while maintaining superior performance expected from Aeroquip. FC659 hose is the result.

At Aeroquip, we define flexibility in two ways: bend radius and force to bend. FC659 is the superior hose in both categories—from bend radii equal to one half the SAE requirement to the most pliable, easy-to-work-with hose available.

Applications

- Hydraulic system service with petroleum and water-based fluids requiring premium performance and flexibility.

Features

- One-half SAE bend radii in all sizes
- Less force to bend than any (SAE 100R12 Style) hose on the market
- Qualified with TTC12 fittings
- Qualified to one million impulse cycles (-06, -08, -10, -12, -16 sizes) at full SAE bend radii
- Available in -06, -08, -10, -12, -16, -20, -24, and -32 sizes

Benefits

- The ultimate problem-solving hose for tough-to-route applications
- Easy to install
- Easy to assemble
- Superior life expectancy in the most demanding applications
- Multiple sizes to meet varying needs



FC659

4-WIRE SPIRAL HOSE
EXCEEDS SAE 100R12



Part Number	Hose I.D.	Hose O.D.	Minimum* Bend Radius	Maximum Operating Pressure	Minimum Burst Pressure	Operating Temperature
	INCHES	INCHES		PSI	PSI	°F
#						
FC659-06	.38	.79	2.50	4000	16000	-40 to +250
FC659-08	.50	.92	3.50	4000	16000	-40 to +250
FC659-10	.63	1.11	4.75	4000	16000	-40 to +250
FC659-12	.75	1.20	4.75	4000	16000	-40 to +250
FC659-16	1.00	1.48	6.00	4000	16000	-40 to +250
FC659-20	1.25	1.83	8.25	3000	12000	-40 to +250
FC659-24	1.50	2.12	10.00	2500	10000	-40 to +250
FC659-32	2.00	2.64	12.50	2500	10000	-40 to +250

*1/2 SAE bend radius.

Hose	Construction Materials	Reinforcement	Fittings
FC659	Synthetic rubber tube and cover	4-wire spiral	TTC12

WARNING: It is important to use the correct fitting with any hose product to ensure a proper connection. Only use the fittings suggested by Aeroquip for this hose product. Mixing fittings and hose by different manufacturers can lead to an unstable connection, due to differences in manufacturing techniques and tolerances. Such connections can fail and have the potential to spray and cause personal injury or property damage.

Aeroquip's Flexibility Test Stand



With standard SAE impulse performance of 500,000 cycles at one-half bend to one million cycles at full SAE bend radii, Aeroquip's new FC659 is the future of high pressure hose.



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Specifications subject to change without notice