



## Engineered specifically for demanding diesel fuel applications



### Applications

- Transportation — Trucks, Buses and Off-Highway Vehicles
- Construction Machinery and Equipment
- Agriculture Machinery and Equipment
- Marine, Boats and Yachts
- Diesel Engines and Parts

### Synflex® Diesel Fuel Tubing Construction

**High-Flex 4297 Series** - Synflex composite fuel tubing is a flexible, thermoplastic elastomer product with a nylon line core tube. It is a non-reinforced, seamless tube, designed and tested for use with barbed fittings and rated for use with diesel fuel in a temperature range of -50°F (-45°C) to +250°F (122°C).

**Low-Flex 4294 Series** - Synflex composite fuel tubing is a non-reinforced, seamless, multi-layered product, with a nylon cover and nylon line core tube. It is designed and tested for use with non-crimp, barbed fittings and rated for use with diesel fuel in a temperature range of -40°F (-40°C) to +200°F (93°C).

### Features and Benefits

- **Specifically Designed for Diesel Fuel Applications** - Resists chemical attacks seen in a diesel fuel environment. With two series available you can select the best solution for your system and assembly requirements.
- **Thermoforming** - Both series can be installed as individual lines or the tubing can be thermoformed to provide a consistent, trouble-free installation process.
- **Multiple Colors** - Color-coded flow lines allow for easy identification for error-free assembly and repair.
- **Barbed Fittings** - Barbed inserts with o-ring sealing end connections provide a leak-free system. No retaining clips, crimping or swaging is required. Seals on the inside of the tube, eliminating the need for outside surface preparation.

*Example: Figure A*



Figure A

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## 4294 - Low-Flex Series

Part Number	Equivalent Size O.D.		Nominal O.D.		Nominal Wall Thickness		Weight		Minimum Burst Pressure		Vacuum Rating	Max. Oper. Pressure		Min. Bend Radius	
	mm	in	mm	in	mm	in	Kg/100m	lbs/100ft	bar	psi	in Hg	bar	psi	mm	in
4294-06	9.50	3/8	9.91	.390	1.78	.070	4.46	3.00	34.47	500	20	5.17	75	28.7	1.13
4294-07	11.11	7/16	11.17	.440	1.78	.070	5.06	3.40	34.47	500	20	5.17	75	31.7	1.25
4294-08	12.70	1/2	13.33	.525	1.90	.075	6.70	4.50	34.47	500	20	5.17	75	76.2	3.00
4294-10	15.87	5/8	17.14	.675	2.54	.100	10.86	7.30	34.47	500	20	5.17	75	88.9	3.50

## 4297 - High-Flex Series

Part Number	Equivalent Size O.D.		Nominal O.D.		Nominal Wall Thickness		Weight		Minimum Burst Pressure		Vacuum Rating	Max. Oper. Pressure		Min. Bend Radius	
	mm	in	mm	in	mm	in	Kg/100m	lbs/100ft	bar	psi	in Hg	bar	psi	mm	in
4297-06	9.52	3/8	9.91	.390	1.78	.070	4.62	3.10	34.47	500	20	3.45	50	28.7	1.13
4297-07	11.11	7/16	11.17	.440	1.78	.070	5.22	3.50	34.47	500	20	3.45	50	44.4	1.75
4297-08	12.70	1/2	13.33	.525	1.90	.075	7.30	4.90	27.58	400	20	3.45	50	63.5	2.50
4297-10	15.87	5/8	17.14	.675	2.54	.100	11.03	7.40	27.58	400	20	3.45	50	76.2	3.00

### Standard Compliance

- Portions of: SAE J844, J1131, J1394
- ASTM D471, 0624, 0638, D648, 0709, 0746, 0742, 02240

### Fluid Compatibility

- Performance tested using ASTM
- Fuels Band B and F, ASTM #3 oil and brake fluids
- Compatible with B20 biodiesel fuel

### Operating Temperature Range

- 4294 - Low-Flex Series:  
-40°C (-40°F) to +93°C (+200°F)
- 4297 - High-Flex Series:  
-45°C (-50°F) to +122°C (+250°F)

### Packaging Information

Low-Flex	O.D.	Color	Packaging
4294-061F2	-06	Silver	100' coil in box
4294-07102	-07	Black	100' coil in box
4294-08102	-08	Black	100' coil in box
4294-081D2	-08	Purple	100' coil in box
4294-081F2	-08	Silver	100' coil in box

High-Flex	O.D.	Color	Packaging
4297-061F2	-06	Silver	100' coil in box
4297-081F2	-08	Silver	100' coil in box
4297-10102	-10	Black	100' coil in box
4297-101F2	-10	Silver	100' coil in box

Kits	O.D.	Color	Packaging	Fittings
4KGEN-08-001	-08	Black/Silver	2-15' Coils	8 -1/2" Voss
4KGEN-10-001	-10	Black/Silver	2-15' Coils	8 -5/8" Voss



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