



FireFlex Aero

High Temperature Sleeve AS1072 Aerospace Grade

FireFlex Aero (FI) is engineered from a dense braided fiberglass sleeve and a thick coating of self-extinguishing high temperature silicone rubber that withstands 500°F continuous exposure, and molten splash up to 2,000°F.

Almost every aviation engine - turbine, turboprop or piston; civilian and military - uses FireFlex Aero to protect critical hoses and wiring in the event of an engine compartment fire. FireFlex Aero meets the specification of AS1072, allowing qualified hose assemblies to pass the fire resistance testing specification of AS1055D.

FireFlex Aero is highly resistant to hydraulic fluids, lubricating oils, and fuels. The dense braided fiberglass interior insulates against energy loss in piping and hosing, while the high density silicone coating protects personnel from accidental injury.

- **Extra Thick Braid & Heavy Coating for Critical Aerospace Applications**



Used on both military and commercial aircraft to defend hose systems from fire and thermal events.



Nominal Size	Part #	Maximum Diameter	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/100'
				Bulk Spool	Shop Spool		
1/4"	FIA0.25	N/A	.115"	100'	50'	BK & RD	8.04
3/8"	FIA0.38	N/A	.115"	100'	50'	BK & RD	9.96
7/16"	FIA0.44	N/A	.115"	100'	50'	BK & RD	12.96
1/2"	FIA0.50	N/A	.115"	100'	50'	BK & RD	14.04
5/8"	FIA0.63	N/A	.115"	100'	50'	BK & RD	20.04
3/4"	FIA0.75	N/A	.115"	50'	25'	BK & RD	21.96
7/8"	FIA0.88	N/A	.115"	50'	25'	BK & RD	26.04
1"	FIA1.00	N/A	.115"	50'	25'	BK & RD	33.00
1 1/8"	FIA1.13	N/A	.115"	50'	25'	BK & RD	35.04
1 1/4"	FIA1.25	N/A	.115"	50'	25'	BK & RD	36.96
1 3/8"	FIA1.38	N/A	.115"	50'	25'	BK & RD	44.04
1 1/2"	FIA1.50	N/A	.115"	50'	25'	BK & RD	48.00
1 5/8"	FIA1.63	N/A	.115"	50'	25'	BK & RD	38.04
1 3/4"	FIA1.75	N/A	.115"	50'	25'	BK & RD	42.00
1 7/8"	FIA1.88	N/A	.115"	50'	25'	BK & RD	44.04
2"	FIA2.00	N/A	.115"	50'	25'	BK & RD	48.00
2 1/4"	FIA2.25	N/A	.115"	50'	25'	BK & RD	55.00
2 1/2"	FIA2.50	N/A	.115"	50'	25'	BK & RD	65.04
2 3/4"	FIA2.75	N/A	.115"	50'	25'	BK & RD	76.20
3"	FIA3.00	N/A	.115"	50'	25'	BK & RD	87.00



FIREFLEX AERO

- Stable to 500°F
- Extra Thick Braid & Heavy Coating For Critical Aerospace Applications
- Contains Radiant Heat To Prevent Damage To Nearby Components
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant



**Cut Cleanly
 Scissors**

Material FIN

Silicone Jacketed Fiberglass

Grade

FIA

Wall Thickness

.115"

Put-Ups

Nominal Size	Part #	Wall Thickness	Bulk Spool	Shop Spool	Available Colors	Lbs/100'
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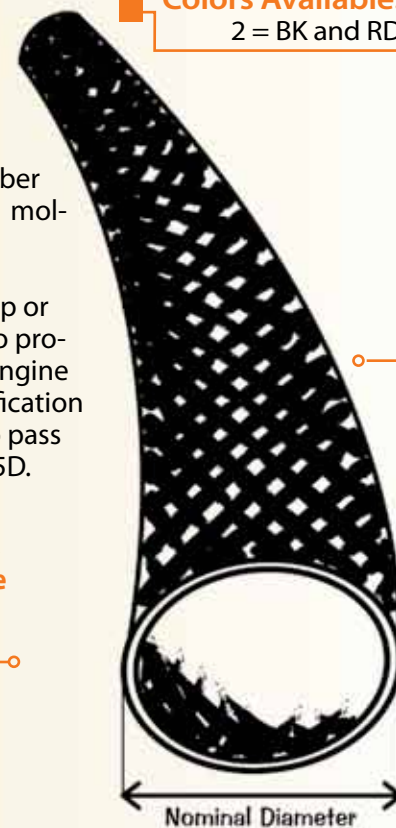
■ The dense braided fiberglass interior insulates against energy loss in piping and hosing, while the high density silicone coating protects personnel from accidental injury.

■ Colors Available:
 2 = BK and RD

Colors Available:



Black (BK) and Red (RD).



www.techflex.com

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**HALOGEN
 FREE**



FIREFLEX AERO



Abrasion Resistance
Extremely High

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g



Rating _____ **Non Flammable**



Chemical Resistance

1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

Aromatic Solvents _____	1
Aliphatic Solvents _____	1
Chlorinated Solvents _____	1
Weak Bases _____	1
Salts _____	1
Strong Bases _____	1
Salt Water 0-S-1926 _____	1
Hydraulic Fluid MIL-H-5606 _____	1
Lube Oil MIL-L-7808 _____	1
De-Icing Fluid MIL-A-8243 _____	1
Strong Acids _____	2
Strong Oxidants _____	2
Esters/Keytones _____	1
UV Light _____	1
Petroleum _____	1
Fungus ASTM G-21 _____	1
Halogen Free _____	Yes
RoHS _____	Yes
SVHC _____	

Melt Point
ASTM D-2117
2,048°F (1,120°C)

Maximum Continuous
Mil-I-23053
500°F (260°C)

Minimum Continuous
-65°F (-54°C)



PHYSICAL PROPERTIES

Monofilament Diameter _____	NA
<i>ASTM D-204</i>	
Flammability Rating _____	Non Flammable
Recommended Cutting _____	Scissor
Colors _____	2
Wall Thickness _____	.115
Tensile Strength (Yarn) _____	
<i>ASTM D-2256 Lbs</i>	
Specific Gravity <i>ASTM D-792</i> _____	NA

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