FIRE FLEX AERO

EXTREME TEMPERATURE
Technical Data Sheet

- Stable to 500°F
- Jacketed With A Non-Permeable, Heavy Silicone Coating That Is Flexible Enough To Follow Tight Radius Curves
- 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'
1/4"	FIA0.25	.115"	100'	50'	2	8.04
3/8"	FIA0.38	.115"	100'	50'	2	9.96
7/16"	FIA0.44	.115"	100'	50'	2	12.96
1/2"	FIA0.50	.115"	100'	50'	2	14.04
5/8"	FIA0.63	.115"	100'	50'	2	20.04
3/4"	FIA0.75	.115"	50'	25'	2	21.96
7/8"	FIA0.88	.115"	50'	25'	2	26.04
1"	FIA1.00	.115"	50'	25'	2	33.00
1 1/8"	FIA1.13	.115"	50'	25'	2	35.04
1 1/4"	FIA1.25	.115"	50'	25'	2	36.96
1 3/8"	FIA1.38	.115"	50'	25'	2	44.04
1 1/2"	FIA1.50	.115"	50'	25'	2	48.00
1 5/8"	FIA1.63	.115"	50'	25'	2	38.04
1 3/4"	FIA1.75	.115"	50'	25'	2	42.00
1 7/8"	FIA1.88	.115"	50'	25'	2	44.04
2"	FIA2.00	.115"	50'	25'	2	48.00
2 1/4"	FIA2.25	.115"	50'	25'	2	55.00
2 1/2"	FIA2.50	.115"	50'	25'	2	65.04
2 3/4"	FIA2.75	.115"	50'	25'	2	76.20
3"	FIA3.00	.115"	50'	25'	2	87.00

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.

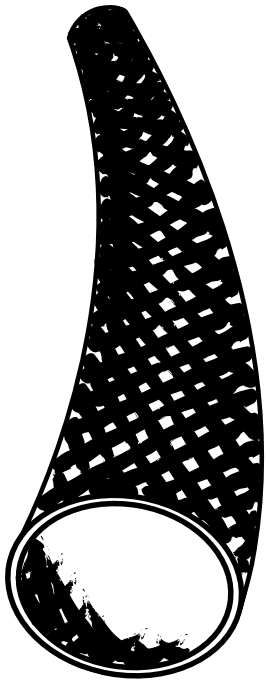
Almost every aviation engine - turbine, turboprop or piston; civilian and military - uses FireFlex Aero to protect critical hoses and wiring in the event of an engine compartment fire. FireFlex Aero meets the specification of AS1072, allowing qualified hose assemblies to pass the fire resistance testing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

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:

Black (BK) and Red (RD).

Colors Available:
2 = BK and RD



TECHFLEX
Braided Sleeving Products
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HALOGEN FREE

RoHS Compliant

FIRE FLEX AERO

ABRASION

Abrasion Resistance
Extremely High

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

FLAMMABILITY

Rating _____ Non Flammable

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)

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/Ketones	1
UV Light	1
Petroleum	1
Fungus *ASTM G-21*	1
Halogen Free	Yes
RoHS	Yes
SVHC	

PHYSICAL PROPERTIES

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

www.techflex.com