



Product Highlights

- Operating temperature:
-54°C to +260°C
(-65°F to +500°F)
- Fire protection up to
+1100°C (+2012°F) (15 min)
+ 800°C (+1472°F) (30 min)
- AS1072 Type 2
(Aero Grade)
- Fluid resistant to hydraulic
fluids and lubricating oil
- Standard color is red iron
oxide; other colors include
black, blue, and aluminum

FyreJacket® Aerospace is a thickwall braided fiberglass sleeving coated with specially compounded silicone rubber. FyreJacket is intended to slide on easily over a variety of hoses and expand readily to go over fittings and couplings. The specially formulated silicone rubber coating has excellent shedding properties.

FyreJacket is used to protect hoses and hose assemblies, tubing, piping, and cables from exposure up to +260°C (+500°F) and from molten splash and welding sparks. Aerospace grade FyreJacket will withstand short term flame exposure to +1093°C (+2000°F) when installed on a hose assembly qualified to SAE Aerospace Standard 1055*. Aerospace FyreJacket is packaged in random lengths, with minimum lengths no shorter than 15 feet.



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

Performance Data – FyreJacket® Aerospace

Property	Test Method	Result
Operating Temperature		-54°C (-65°F) to +260°C (+500°F)
Low Temperature Flexibility	ASTM D-746	-54°C (-65°F)
Flammability	30 CFR § 18.65	Pass
Fluid Resistance	AS1072	
Phosphate ester type hydraulic fluids		Good resistance
Hydraulic Fluid (MIL-H-5606)		Good resistance
Jet Fuel (MIL-T-5624)		Good resistance
Lubricating Oil (MIL-L-6082)		Good resistance
Lubricating Oil (MIL-L-7808)		Good resistance
Lubricating Oil (MIL-L-23699)		Good resistance
Hydraulic Fluid (MIL-H-83282)		Good resistance

Product Specifications

Bentley-Harris Aerospace FyreJacket meets the requirements of SAE Aerospace Standard AS 1072 Type 2 for “Sleeve, Hose Assembly, Fire Protection”. Suitable hose assemblies, sleeved with Aerospace FyreJacket, allow qualified manufacturers to meet SAE Aerospace Standard AS 1055*.

Commercial Part Number	Recommended Application Range		Maximum Weight g/m (lb/ft)
	Min Ø mm (in)	Max Ø mm (in)	
FyreJacket Aerospace 6-X	5.3 (0.21)	7.1 (0.28)	120 (0.08)
FyreJacket Aerospace 8-X	6.9 (0.27)	8.7 (0.34)	130 (0.09)
FyreJacket Aerospace 10-X	8.6 (0.34)	10.3 (0.41)	150 (0.10)
FyreJacket Aerospace 11-X	10.4 (0.41)	11.9 (0.47)	190 (0.13)
FyreJacket Aerospace 13-X	11.7 (0.46)	13.5 (0.53)	210 (0.14)
FyreJacket Aerospace 14-X	13.2 (0.52)	15.0 (0.59)	240 (0.16)
FyreJacket Aerospace 16-X	14.7 (0.58)	16.6 (0.66)	300 (0.20)
FyreJacket Aerospace 18-X	16.5 (0.65)	19.0 (0.75)	310 (0.21)
FyreJacket Aerospace 19-X	18.0 (0.71)	20.6 (0.81)	330 (0.22)
FyreJacket Aerospace 21-X	19.5 (0.77)	22.2 (0.87)	370 (0.25)
FyreJacket Aerospace 22-X	21.3 (0.84)	23.7 (0.94)	390 (0.26)
FyreJacket Aerospace 25-X	24.3 (0.96)	26.9 (1.06)	490 (0.33)
FyreJacket Aerospace 29-X	27.4 (1.08)	30.1 (1.19)	520 (0.35)
FyreJacket Aerospace 32-X	30.7 (1.21)	33.3 (1.31)	550 (0.37)
FyreJacket Aerospace 35-X	34.0 (1.34)	36.4 (1.44)	650 (0.44)
FyreJacket Aerospace 38-X	37.1 (1.46)	39.6 (1.56)	710 (0.48)
FyreJacket Aerospace 41-X	40.1 (1.58)	42.8 (1.69)	570 (0.38)
FyreJacket Aerospace 45-X	43.4 (1.71)	46.0 (1.81)	630 (0.42)
FyreJacket Aerospace 48-X	46.6 (1.84)	49.1 (1.94)	650 (0.44)
FyreJacket Aerospace 51-X	49.8 (1.96)	52.3 (2.06)	710 (0.48)
FyreJacket Aerospace 60-X	59.3 (2.34)	61.8 (2.44)	930 (0.63)
FyreJacket Aerospace 64-X	62.5 (2.46)	65.0 (2.56)	960 (0.65)
FyreJacket Aerospace 73-X	72.0 (2.84)	74.5 (2.94)	1140 (0.77)
FyreJacket Aerospace 76-X	75.2 (2.96)	77.7 (3.06)	1290 (0.87)
FyreJacket Aerospace 89-X	87.9 (3.46)	90.4 (3.56)	1520 (1.02)
FyreJacket Aerospace 95-X	94.2 (3.71)	96.8 (3.81)	1620 (1.09)

X = Color Code: Red Iron Oxide - 12 | Blue - 6 | Aluminium - ALU

Part Numbering System

Example	Product Name	Size	Color
	FyreJacket Aerospace Grade	16	12 (red-iron)

***All qualification testing was conducted on Aerospace Fyrejacket in red iron oxide. Customers using alternative color options should conduct their own testing.**



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