

Product Highlights

- Operating temperature up to +200°C (+392°F)
- Expansion Ratio: 1 : 1.5
- Excellent dielectric protection
- Highly expandable and flexible
- Dimensionally stable
- Lightweight & low profile
- Superior end fray resistance
- Water tight and fluid resistant
- UL recognized component for FyreJacket 1670-7 & FyreJacket 1670-10*

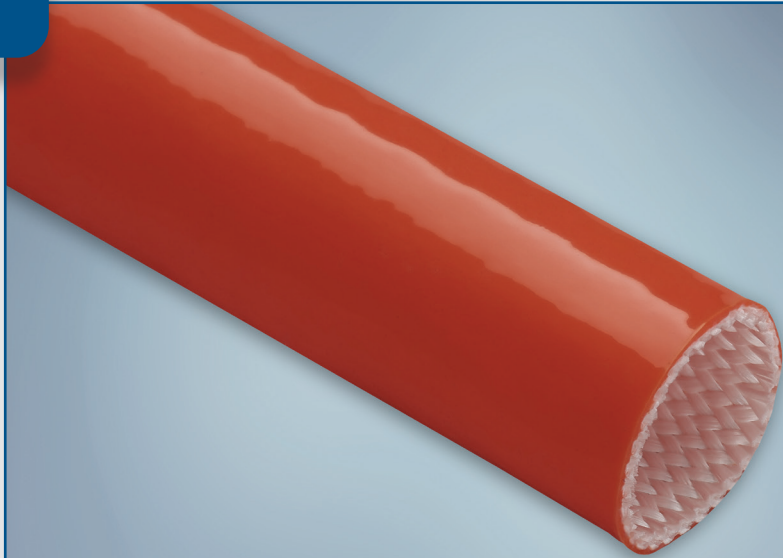
Typical Applications

- Electrical isolation
- Thermal insulation
- Fluid tight barrier requirements
- Busbars

* UL certificate is supplied for the China version only.

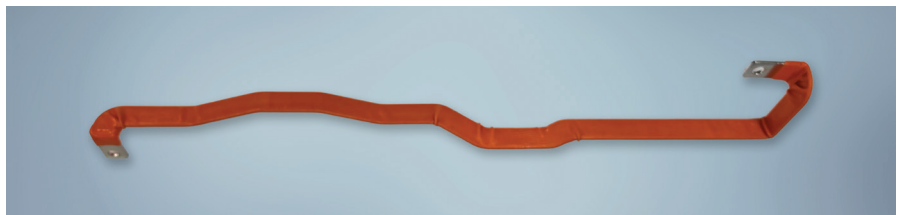


Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)



FyreJacket® 1670 is an expandable braided fiberglass sleeve coated with a specially compounded silicone rubber. The product is intended to protect hoses, hose assemblies, tubing, piping, wires, wire assemblies, and cables from heat and abrasion while providing high voltage circuit protection. The thickness of the silicone coating determines the dielectric strength, which ranges from 4 to 10 kV.

Its optimized construction features a highly expandable and flexible characteristic which carries easy installation and superior fit on complex busbar geometries. The high flexibility of FyreJacket® 1670 allows for a relative expansion ratio of approximately 50%. In addition, the sleeve's inherent thermal insulation and containment properties can be utilized depending on the application. The smooth, high gloss silicone creates a fluid tight barrier, provides additional protection, and is available in a variety of colors for identification purposes.



As shown in these examples, FyreJacket® 1670 maintains a smooth, continuous protective barrier even through tight bends and challenging routing paths. Its flexible construction helps preserve electrical insulation, thermal protection, and a clean finished appearance throughout the installation.

Performance Data – FyreJacket® 1670

Property	Test Method	Result
Temperature Rating	240 hours at +225°C (+200°C rating)	Pass +200°C (+392°F)
Low Temperature Flexibility	BH100-016A	Pass -40°C (-40°F)
Resistant to Cracking	BH100-535	Pass
Elasticity	BH100-534	Pass
Fluid Resistance	BH100-003B	Pass
Flammability	SAE J369	SE (Self-extnguishing)
Dielectric Strength	ASTM D350	See table below

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

Electrical Performance

FyreJacket 1670 is available in 3 versions with the following dielectric strength:

Description	Dielectric Strength (average value)
FyreJacket 1670-4	4.0 kV
FyreJacket 1670-7	7.0 kV
FyreJacket 1670-10	10.0 kV

Construction and Typical Product Characteristics

Base Yarn	Type E Fiberglass
Coating	Silicone

Standard Sizes

Nominal Size mm	Recommended Application Range mm	
	Min Ø	Max Ø
8	8	12
10	10	15
12	12	18
14	14	21
16	16	24
18	18	27
20	20	30

Availability

Standard sizes are listed here. Additional sizes could be available upon request.

Available in spools and custom cut lengths. Recommended cut lengths are in 5mm increments. Please see regional drawings for cut length tolerances.

Available colors are listed in the color chart. Additional colors may be available upon request.

Please consult your local sales representative for regional packaging details and standards.

Colors		
White	Black	Yellow
Red	Green	Gray
Orange	Blue	Red Iron Oxide



United States: (1) 800 926 2472 • México: (52) 442 101 8100 • Brazil: (55) 19 3116 1600
EMEA: (33) 3 44 39 06 06 • Japan: (81) 45 330 0300 • China: (86) 21 6182 7560
Southeast Asia: (66) 35 276 400 • Korea: (82) 44 861 6368 • India: (91) 124 4784565
www.systemsprotection.com

