

Product Highlights

- Repeatable, fast and easy installation
- Highly expandable and flexible
- Superior Flame Protection during exposure to +1000°C x >30 minutes
- Dielectric protection > 2.0kV Post Flame
- Non-flammable
- Compatible with Silicone Tape 64R

Typical Applications

- Protects busbars from Thermal Runaway
- Busbars located within EV battery pack
- Busbar outside EV battery pack
- Rigid busbars
- Flexible busbars
- High voltage cables within EV battery pack



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



FyreJacket® 1650 sleeve is a highly expandable fiberglass structure with engineered silicone coating, providing superior flame protection and dielectric resistance. Product is specifically designed as anti-propagation protection in case of Thermal Runaway to ensure a good insulation & performance between the Battery Management Systems & the battery pack.

The inherent elasticity of FyreJacket 1650 delivers a sleeve solution with easy installation and superior fit on complex busbar geometries. FyreJacket 1650's ability to contour along with the busbar geometry minimizes space required for Thermal Runaway protection. Space savings is very valuable within battery pack. FyreJacket 1650's structure allows flexible busbars and high voltage cables within battery pack to maintain routing paths while providing superior Thermal Runaway protection.

FyreJacket 1650 provides the highest level of protection from Thermal Runaway along with repeatable, reliable and fast installation times. This superior product gives the end user confidence the best solution is in use.



FyreJacket® 1650 installed on an HV cable.

Performance Data – FyreJacket® 1650

Property	Test Method	Result
Thermal Runaway	SP Internal Test Method	Resists 15 min x 1500°C Flame with Abusive Torch
Thermal Conductivity	ASTM E1530	0.060 W/m*K at 23°C
Flammability	SAE J369	Self-extinguishing
Dielectric Strength PRE Thermal Runaway (AC and DC)	EN6059-501 ASTM D3755-20	>5.0 kV Breakdown Voltage
Dielectric Strength POST Thermal Runaway	SP Internal Test Method + EN6059-501	3.0kV x 1 min No Breakthrough >3.5kV Breakdown Voltage
Wall Thickness	SP Internal Test Method	≈ 2.0mm

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

Construction and Typical Product Characteristics

Outer Layer: Engineered Silicone Rubber

Inner Layer: Fiberglass

Standard Sizes

Commercial Part Number	Nominal diameter (mm)
FyreJacket 1650 8	8
FyreJacket 1650 10	10
FyreJacket 1650 12	12
FyreJacket 1650 14	14
FyreJacket 1650 16	16
FyreJacket 1650 18	18
FyreJacket 1650 20	20

Color: Orange

Application based variables will influence the sleeve size required. Routing geometry and application type may present installation and fit challenges that should be considered. Proper sleeve sizing should be confirmed by the end user. Please consult your local sales representative for recommendations and support.

Availability

Product is available in multiple sizes designed to protect many industry-standard busbars. Additional sizes could be available upon request.

Available in custom cut lengths. Maximum cut length of 3.5 meters standard.

Standard colors listed below table. Additional colors may be available.

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



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

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