

Product Highlights

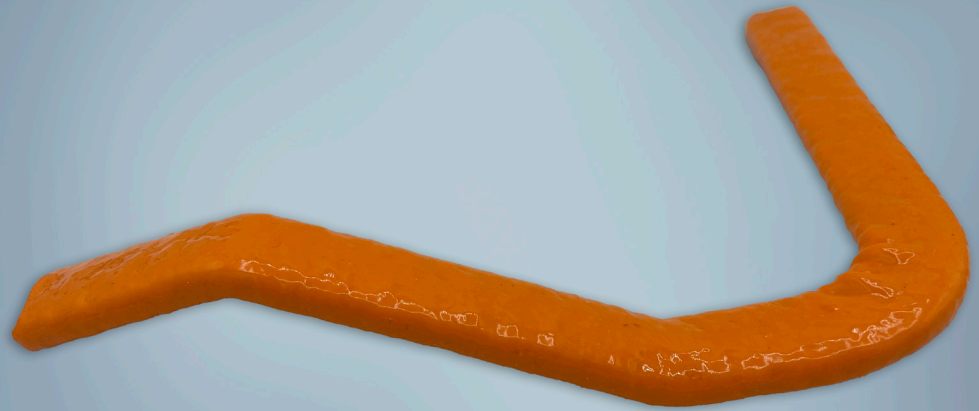
- Repeatable, fast and easy installation
- Highly expandable and flexible
- Superior Flame Protection during exposure to +1000°C x >30 minutes
- Dielectric protection > 2.0kV Post Flame
- Non-flammable
- Compatible with Silicone Tape 64R

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.



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