



**HIGH TEMPERATURE/HARSH ENVIRONMENT
FUSION SPLICE PROTECTION SLEEVES**

Splice Technologies’ “**HIGH TEMPERATURE**” Series line of splice protection sleeves was developed back in 2002 initially for use in “downhole” applications for the Oil & Gas industry where conditions exist requiring better thermal stability and a higher operating temperature range that far exceed conventional splice protectors. These harsh environment high reliability splice protectors are made with proprietary inner and outer tubes that are also highly resistant to petroleum based products and have outstanding physical, chemical and electrical properties that meet or exceed industry and military standards. All models are RoHS & REACH compliant and are proudly manufactured here in the **USA**.

SPECIFICATIONS

OUTER TUBE

HIGH-TEMPERATURE HEAT SHRINK

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|---------------------|--|
| Tensile Strength | 5,000psi (34.5MPa) |
| Ultimate Elongation | 150% Minimum |
| Working Temperature | -55°C to 175°C (-65°F to 350°F) |
| Specific Gravity | 1.8 Maximum |
| Flammability | Average Time of Burning; 15 Seconds Maximum |
| Vacuum Outgassing | Total Mass Loss; 1.0% Maximum Volatile Condensable Material; 0.1% Maximum |

SPECIFICATIONS/APPROVALS

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|-----------------|--|
| UL | E35586 VW-1 (600V, 150°C) |
| CSA | LR31929 OFT (600V, 150°C) |
| Military | AMS-DTL-23053/8 Def. Stan. 59-97 Type 3 |
| Industry | VDE 0341 Pt 9005 |

INNER TUBE

HIGH-TEMPERATURE MELTABLE ADHESIVE RESIN

| | |
|---------------------|---------------------------------|
| Tensile Strength | 7,500psi (51.7MPa) |
| Ultimate Elongation | 315% |
| Working Temperature | -55°C to 175°C (-65°F to 350°F) |
| Flexural Modulus | 131,000psi (903MPa) |
| Specific Gravity | 1.08 |
| Water Absorption | 24 Hour Immersion; 3.4% |

STRENGTH MEMBERS

302 Stainless Steel with rounded and polished ends (single fiber)
Glass, clear round (dielectric single fiber)
Glass, clear ½ round profile (ribbon fiber)

RECOMMENDED HEAT SHRINK 175°C (347°F) for 120 -150 Seconds (Includes ramp up and cool down)

CONTINUOUS OPERATING TEMPERATURE 160°C (320°F)

OPERATING TEMPERATURE RANGE -55°C to 175°C (-65°F to 347°F)