

**“HIGH TEMPERATURE SERIES”  
FUSION SPLICE PROTECTION SLEEVE**

Splice Technologies’ “High Temperature” series was developed 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 than 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 (3) & REACH compliant and are manufactured here in the **USA**.

**SPECIFICATIONS****OUTER TUBE****HIGH-TEMPERATURE HEAT SHRINK**

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**

<b>UL</b>	E35586 VW-1 (600V, 150°C)
<b>CSA</b>	LR31929 OFT (600V, 150°C)
<b>Military</b>	AMS-DTL-23053/8 Def. Stan. 59-97 Type 3
<b>Industry</b>	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)