

Halogen-free heat shrink crimp splice

## FITCOSEAL<sup>®</sup> FTS

High performance, halogen-free heat shrink crimp splice. Sealed single piece for butt splice applications. Wire splices in critical areas where mechanical stress and corrosion could be a problem.



**Operating temperature range:** - 40°C to +105°C

**Shrink temperature:** + 150° C

Description	Wire gauge		Color
	mm <sup>2</sup>	AWG	
FTS-1	0,82 – 1,31	18-16	red
FTS-2	2,08	14	blue
FTS-3	5,26	10	yellow

**Packaging:** Packed in plastic bags with 50 or 100 pieces.  
Special sizes on request

**Special versions:** On request: e.g. furcated- and ring cable lugs or flat plugs

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Attributes	Test Methods	Requirement	Typical Value
<b>Physical</b>			
Tensile Strength	ASTM D 638	Min. 10,4 MPa	Pass
Ultimate Elongation	ASTM D 638	Min. 200%	Pass
<b>Thermal</b>			
Operating Temperature	Life-Curve		-40°C to +105°C
Heat Resistance (175°C x 168h)	SAE-AMS-DTL-23053	No crack, flowing or dripping	Pass
Heat Shock (200°C x 4h)	SAE-AMS-DTL-23053	No crack, flowing or dripping	Pass
Copper Corrosion (121°C x 16h)	SAE-AMS-DTL-23053	No Corrosion	Pass
<b>Electrical</b>			
Voltage rating			600V
Dielectric Withstand (2.5kV x 60s)	UL224	Pass	Pass
Dielectric Strength	SAE-AMS-DTL-23053	Min. 19,7 kV/mm	Pass
Volume Resistivity	ASTM D 876	Min. 10 <sup>14</sup> Ω cm	Pass
<b>Chemical</b>			
Water Absorption	ASTM D 570	≤ 0,5 %	Pass

### Processing instructions:

Processing of the solder termination sleeves should be carried out with hot air equipment (e.g. HG3000 SLE). To ensure proper heating we recommend reflectors (e.g. HG3000 RFL L1-9 for solder joints up to 9mm diameter). The soldering connector is positioned above the point to be soldered and heated by hot air. As a result, the insulation shrinks onto the conductor diameter and the solder tin flows.

Please do not hesitate contacting us for further information.