

Halogen-free heat shrink crimp splice

FITCOSEAL[®] 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 ²	AWG	
FTS-1	0,5 – 1,0	22-18	red
FTS-2	1,5-2,5	14-16	blue
FTS-3	4,0-6,0	10-12	yellow

Packaging: Packed in plastic bags with 500 (red and blue) or 1000 pieces (yellow).
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
Physical			
Tensile Strength	ASTM D 638	Min. 10,4 MPa	Pass
Ultimate Elongation	ASTM D 638	Min. 200%	Pass
Thermal			
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
Electrical			
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 ¹⁴ Ω cm	Pass
Chemical			
Water Absorption	ASTM D 570	≤ 0,5 %	Pass

Processing instructions:

Wire insulation has to be stripped 7mm (1/4") and crimped using the correct crimp tool (AD-1522) and heating tool and reflector attachment. Recommended heating tools are: HG 2520 E and HG 2620 E. Select product according to wire gauge (color code). Apply heat shrink sleeve and heat over 150°C with a hot air gun until shrink process is completed.

For further installation procedure and detailed instructions and recommended reflector attachments please contact GREMCO GmbH.