

Part Number DS406

Header DS 406 4X Heat Shrink Butt Connectors

Description Thermosleeve-USA DS 406 butt connectors are heat-shrinkable, polyolefin-insulated splices that provide one-step sealing for wire-to-wire splicing applications with an adhesive seal.

Characteristics With adhesive lining, DS406s protect splices from water condensation, salt, and corrosion • Provide strain relief • Protect against vibration in rugged environments • Completely insulate and protect electrical connections • More reliable than conventional splices

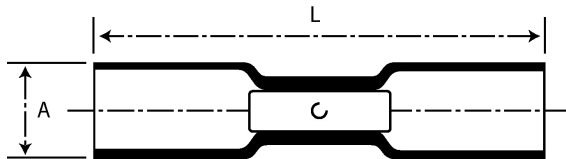
Agency Approval & Compliance ROHS, Halogen Free, REACH

Application For automotive/truck wiring repair and maintenance • Automotive accessories installation • Marine electronics and fleet maintenance • Commercial wiring in outdoor applications (pumps/pools/spas) • Appliances

Shrink Ratio and Operating Temperature DS 406 is available as a 2:1 material, shrinking to one half (50%) of its original supplied. The tubing's wall thickness will also change proportionally to the degree of recovery.

DS 406 heat shrink material has a continuous operating temperature range of -55 degrees C (-67 degrees F) to 125 degrees C (257 degrees F)

Standard Sizes and Dimension



Part No.	Butt Splice Dimensions		Color	AWG	mm ²	Wire Dimensions	
	A Min.	L Nom .				Insulation O.D. (Min.)	Insulation O.D. (Min.)
DS406-001	3.68	31.75	Red	22-18	0.5-1.5	3.56	1.40
DS406-002	4.57	31.75	Blue	16-14	1.5-2.5	4.45	2.03
DS406-003	6.35	38.10	Yellow	12-10	3-6	6.22	2.79

Typical Properties

Item	Specification
Shrink Ratio	4:1
Operating Temperature Range (°C)	-55°C ~125°C
Cut-through Resistance	31 Kg
Flammability	Non-Flame Retardant
Wire Pullout After Crimping & Recovery	Red: 11.3Kg; Blue 22.7Kg; Yellow: 27.2 kg

Solvent Resistance	Isopropyl alcohol, trichloroethylene, gasoline, battery acid, diesel fuel, motor oil, antifreeze, brake fluid, 5% salt water
Dielectric Strength	2500VAC
Insulation Resistance	1000 megaohm at 100VDC

Selector Guide

Wire Size AWG	mm ²	Part No.	Color
22-18	0.8-0.95	DS406-001	Red
16-14	1.2-2.5	DS406-002	Blue
12-10	3-6	DS406-003	Yellow

Availability Bulk and 25-piece bags

Important Notice The information related to Thermosleeve-USA products both in printed or electronic format is believed to be reliable but the accuracy and completeness is not guaranteed. We suggest that before using this product, you evaluate and determine if it is suitable to your intended application. Thermosleeve-USA assumes no risk or liability associated with the use of this material. Any statements related to this product that are not contained in the current Thermosleeve-USA online or printed literature, or any contrary statements referenced on purchase order, shall have no force or effect unless expressly agreed to in writing and signed by an office of Thermosleeve-USA.

Limited Warranty/Limited Liability Thermosleeve-USA offers no guarantees in respect to the accuracy of the information detailed in this document and accepts no explicit or applied liability as to the products use. In no instance will Thermosleeve-USA be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product. Thermosleeve-USA specifications are subject to change without notice; including changes in materials and processing that do not affect compliance of the products specification. Thermosleeve-USA guarantees the product to be free from defects in material and manufacturing at the time of purchase. If this product is found to be defective within the warranty period, at our option we will refund the purchase price, replace or repair the Thermosleeve-USA product.