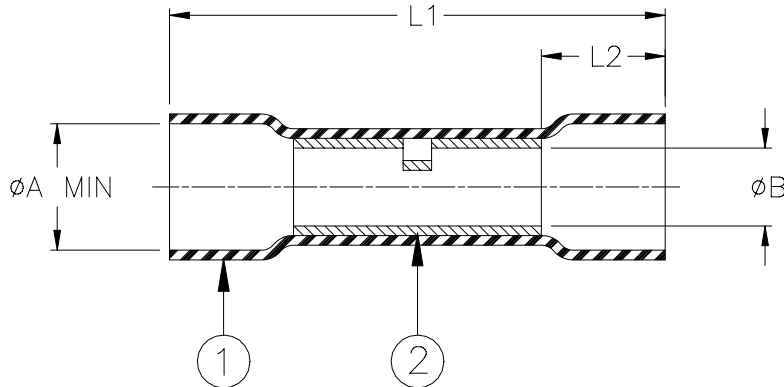


SPECIFICATION CONTROL DRAWING



Product Revision		Color	Marking	Size Range mm ² (AWG)	L1 ±1.5 (±0.06)	L2 min	øA*		øB min	Wire Strip Length Nom.
Product Name							(a) min	(b) max		
D-406-0001	J	Red	DURASEAL [®] 18-22	0.5 - 1.0 (22 - 18)	31.5 (1.24)	5.00 (0.20)	3.70 (0.146)	1.40 (0.055)	1.47 (0.058)	6 to 10 (1/4 to 3/8)
D-406-0002	J	Blue	DURASEAL [®] 14-16	1.5 - 2.5 (16 - 14)	31.5 (1.24)	5.0 (0.20)	4.60 (0.181)	2.00 (0.080)	2.33 (0.092)	6 to 10 (1/4 to 3/8)
D-406-0003	J	Yellow	DURASEAL [®] 10-12	3.0 - 6.0 (12 - 10)	37.5 (1.48)	10.0 (0.39)	6.50 (0.255)	2.80 (0.110)	3.50 (0.138)	10 to 13 (3/8 to 1/2)

MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, radiation cross-linked polyamide (nylon) with a polyamide-based hot-melt adhesive liner. Color per table.
- CRIMP SPLICE: Tin-plated copper alloy.
BASE METAL: C110 Copper.
PLATING: Tin-plated per MIL-T-10727, Type 1.

APPLICATION

- These parts may be used to obtain an environment-resistant one-to-one in-line (butt) splice in wires meeting the size range and diameter restraints specified herein and having a temperature rating of not less than 85°C.
- * (a) Minimum diameter as received: Wire insulation diameter must be less than this value.
- * (b) Maximum diameter after recovery: Wire insulation diameter must be larger than this value to obtain an environment resistant splice.
- Wires are to be stripped per table, inserted into opposite ends of the crimp barrel, crimped with a Raychem AD-1522 tool (or equivalent). The sleeve must be heated along its whole length until the crimp marks are gone and the ends of the sleeve recover onto the wires.
- Spliced assemblies will meet the requirements of Raychem specification RB-107.
- The parts covered by this drawing are UL (US and CANADA) Listed, File #E87681.

tyco Electronics		RAYCHEM S	Tyco Electronics Corporation 300 Constitutional Drive Menlo Park, CA 94025 USA		TITLE: DURASEAL CRIMP SPLICE ENVIRONMENT RESISTANT			
Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]					DOCUMENT NO.: D-406-000X			
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A	ANGLES: N/A ROUGHNESS IN MICRON	Tyco Electronics reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.			DOC. ISSUE: 7	DATE: 26-Mar-03		
PREPARED BY: mforonda	REPLACES D010483	DCR NUMBER: D030200	PROD. REV.: SEE TABLE	SCALE: None	SIZE: A	SHEET: 1 of 1		

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