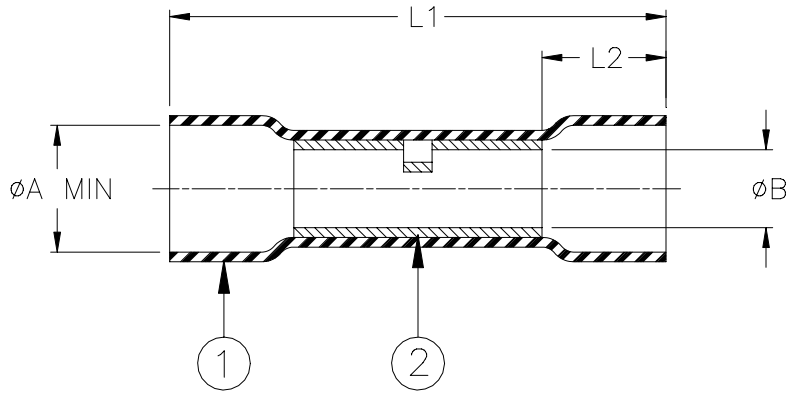


SPECIFICATION CONTROL DRAWING



Product Revision	Product Name	Color	Marking	Size Range mm ² (AWG)	L1 ±1.5 (L1 ±0.06)	L2 min	øA*		øB min	Wire Strip Length Nom.
							(a)	(b)		
D-406-5001	B	Red	22 - 18 AWG	0.5 - 1.0 (22 - 18)	37.0 (1.50)	10.0 (0.39)	4.3 (0.170)	1.4 (0.055)	1.47 (0.058)	6 to 10 (1/4 to 3/8)
D-406-5002	B	Blue	16 - 14 AWG	1.5 - 2.5 (16 - 14)	37.0 (1.50)	10.0 (0.39)	5.0 (0.197)	2.0 (0.080)	2.33 (0.092)	6 to 10 (1/4 to 3/8)
D-406-5003	B	Yellow	12 - 10 AWG	3.0 - 6.0 (12 - 10)	43.0 (1.70)	10.0 (0.39)	6.5 (0.255)	2.8 (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.
- øA* (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 Tyco Electronics/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 Tyco Electronics/Raychem Specification RB-107.
- The parts covered by this drawing are UL (US and CANADA) Listed, File #E87681.

tyco Electronics		<i>Raychem</i> 305 Constitution 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-406-500X							
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.		PROD. REV.: SEE TABLE		DOC. ISSUE: 1		DATE: 26-Mar-03	
PREPARED BY: mforonda		DCR NUMBER: D030206		REPLACES: D982024		SCALE: None		SIZE: A		SHEET: 1 of 1	

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