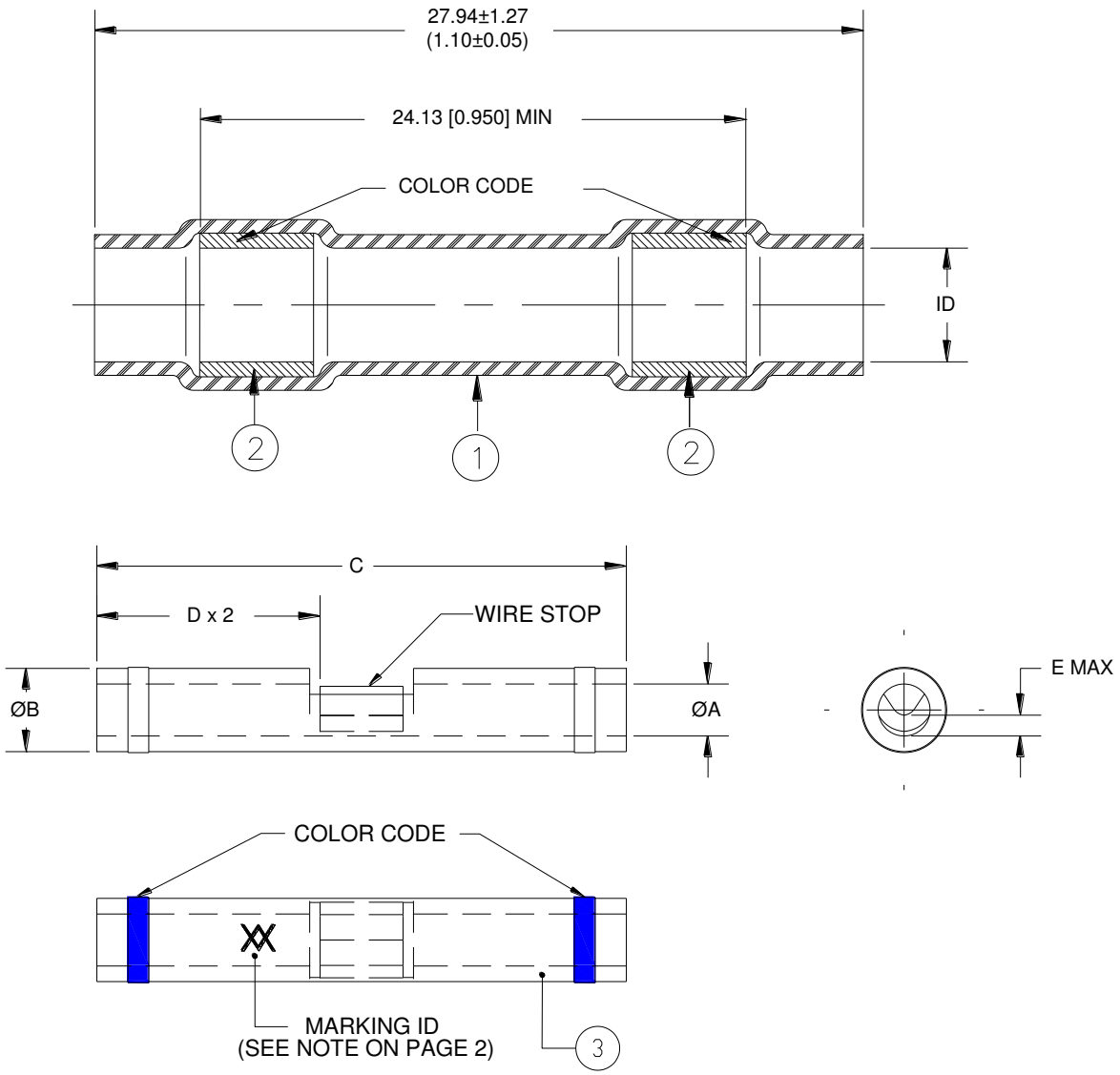
CUSTOMER DRAWING



MATERIALS

1. INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene flouride.
2. MELTABLE RINGS: Immersion resistant thermoplastic; one clear, one color coded per table I.
3. CRIMP SPLICER: Base Metal: Copper Alloy 101 or 102 per ASTM B-75.
   Plating: Nickel per QQ-N-290.
   Color Code: See table I.
   Stamp marking XX approximately as shown on the back of inspection window.

TE Connectivity			*Raychem* Devices		TITLE : **(NICKEL PLATED CRIMPS) IN-LINE SPLICE SEALING SYSTEM**		
Unless otherwise specified dimensions are in millimeters. Inches dimensions are in between brackets.			DOCUMENT NO.: **D-436-82/-84**				
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A	ANGLES: N/A ROUGHNESS IN MICRON	TE Connectivity reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.	DATE: August 17, 2016		REV. E		
DRAWN BY: tnguyen	CAGE CODE: 06090	ECO NUMBER: ECO-14-012043	PROD. REV. SEE TABLE	SCALE: None	SIZE: A	SHEET: 1 of 3	

CUSTOMER DRAWING

TABLE I – DIMENSION TABLE

Part Name	I.D.* a min b max	Crimp Splicer						
		⌀A	⌀B	C	D	E max	Color Code	Wgt. Lbs/Mpc max
D-436-82	2.16 (0.085) 0.64 (0.025)	1.27 (0.050) 1.14 (0.045)	2.03 (0.080) 1.91 (0.075)	12.95 (0.510) 12.45 (0.490)	6.22 (0.245) 5.72 (0.225)	0.38 (0.015)	Red	1.02
D-436-83	2.79 (0.110) 0.64 (0.025)	1.75 (0.069) 1.63 (0.064)	2.70 (0.106) 2.57 (0.101)	14.86 (0.585) 14.35 (0.565)	7.11 (0.280) 6.60 (0.260)	0.51 (0.020)	Blue	1.61
D-436-84	4.32 (0.170) 0.64 (0.025)	2.60 (0.102) 2.46 (0.097)	3.89 (0.153) 3.73 (0.147)	14.86 (0.585) 14.35 (0.565)	7.11 (0.280) 6.60 (0.260)	1.27 (0.050)	Yellow	2.72

* I.D: a- As received; b- After unrestricted recovery thru meltable insert.

TABLE II – RECOMMENDED WIRE RANGE BASED ON CONDUCTOR CMA (mm2) (REFERENCE)

PART NUMBER	MIL SPEC EQUIVALENT SIZE	SINGLE WIRE	MULTIPLE WIRE RANGE CMA (mm^2)	MULTIPLE WIRE TOTAL OD ($OD_{1+}OD_{2)}$ MAX
D-436-82	M81824/6	26-24-22-20	304 - 1510 (0.15 - 0.75)	0.085 (2.16)
D-436-83	M81824/6	20-18-16	1058 - 2680 (0.53 – 1.34)	0.110 (2.79)
D-436-84	M81824/6	16-14-12	2375 – 6755 (1.19 – 3.37)	0.170 (4.32)

TABLE III – STANDARD CONDUCTOR CMA (REFERENCE)

CONDUCTOR CONFIGURATION	SIZE							
	26	24	22	20	18	16	14	12
STRANDS	19	19	19	19	19	19	19	37
CMA	304	475	754	1216	1900	2426	3831	5874
(MM^2)	(0.15)	(0.24)	(0.38)	(0.61)	(0.95)	(1.21)	(1.92)	(2.94)

APPLICATION

1. These parts are designed to provide an immersion resistant in-line splices, maximum of two wires per side of crimp and falling within the diameter range specified in this customer drawing and having insulations rated for at least 135°C.
2. Parts will meet all performance requirements of AS81824/6[Tm], EN 3373-001 and EN 3373-012 when installed as outlined below.
3. Acceptance sampling shall be in accordance with Paragraph 4.6.1 of AS81824[Tm].
4. Packing and packaging shall be in accordance with Section 5, Level C, of AS81824[Tm].
5. This document takes precedence over documents referenced herein.

- **[Tm] –AS81824 is a trademark of SAE**

TE Connectivity		Raychem Devices	TITLE : (NICKEL PLATED CRIMPS) IN-LINE SPLICE SEALING SYSTEM			
Unless otherwise specified dimensions are in millimeters. Inches dimensions are in between brackets.			DOCUMENT NO.: D-436-82/-84			
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A	ANGLES: N/A ROUGHNESS IN MICRON	TE Connectivity reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.	DATE: August 17, 2016		REV. E	
DRAWN BY: tnguyen	CAGE CODE: 06090	ECO NUMBER: ECO-14-012043	PROD. REV. SEE TABLE	SCALE: None	SIZE: A	SHEET: 2 of 3

CUSTOMER DRAWING

ASSEMBLY PROCEDURE:

1. Slide sealing sleeve over both wire on one side of the crimp if two wires will be use.
2. Strip wires 7.95 [5/16"] to 8.73 [11/32"].
3. Insert one or two wires on one side of the crimp barrel and crimp using a Raychem AD-1377 crimp tool. Repeat on the opposite side of the crimp..
4. Center sealing sleeve over the splice.
5. Apply heat, using an approved heat source, first to one of the inserts and then the other. Heat should be applied until insert melts and flows axially along the wire.

TE Connectivity			***Raychem*** Devices		TITLE : **(NICKEL PLATED CRIMPS) IN-LINE SPLICE SEALING SYSTEM**		
Unless otherwise specified dimensions are in millimeters. Inches dimensions are in between brackets.			DOCUMENT NO.: **D-436-82/-84**				
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A	ANGLES: N/A ROUGHNESS IN MICRON	TE Connectivity reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.	DATE: August 17, 2016		REV. E		
DRAWN BY: tnguyen	CAGE CODE: 06090	ECO NUMBER: ECO-14-012043	PROD. REV. SEE TABLE	SCALE: None	SIZE: A	SHEET: 3 of 3	