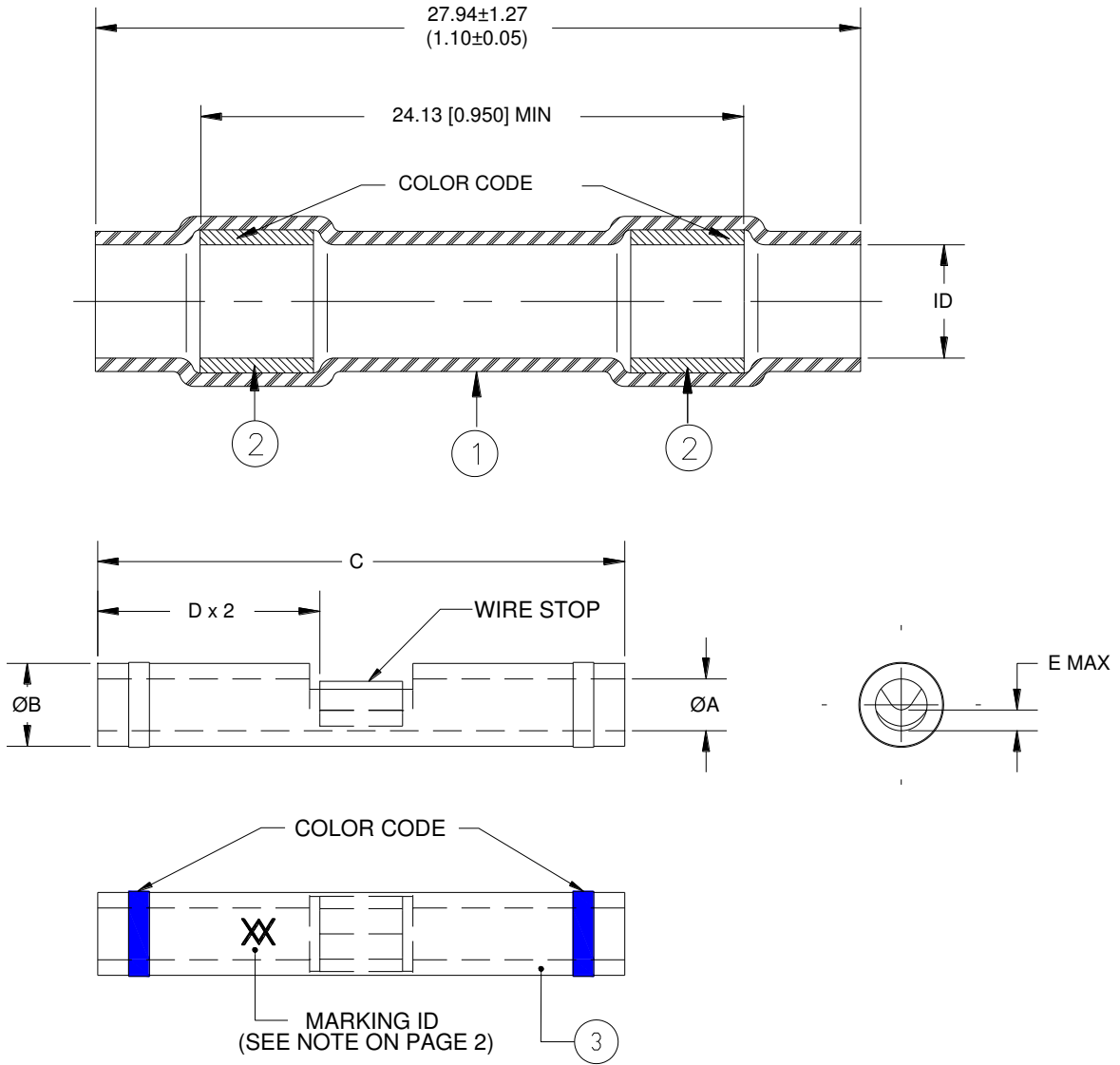



**CUSTOMER DRAWING**



**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.

		<b>Raychem</b> Devices		TITLE : <b>(NICKEL PLATED CRIMPS)                  IN-LINE SPLICE SEALING                  SYSTEM</b>			
Unless otherwise specified dimensions are in millimeters. Inches dimensions are in between brackets.				DOCUMENT NO.: <b>D-436-82/-84CS9376</b>			
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: 27OCT2023		REV. A1	
DRAWN BY: E. SOWJANYA	CAGE CODE: 06090	ECN NUMBER: ECN-23-234831		PROD. REV. SEE TABLE	SCALE: None	SIZE: A	SHEET: 1 of 2

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**CUSTOMER DRAWING**  
**TABLE I – DIMENSION TABLE**

Part Name	I.D.* a min b max	Crimp Splicer						Color Code	Wgt. Lbs/Mpc max
		øA	øB	C	D	E max			
D-436-82 CS9376	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 CS9376	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 CS9376	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 (mm<sup>2</sup>) (REFERENCE)**

PART NUMBER	SINGLE WIRE	MULTIPLE WIRE RANGE CMA (mm <sup>2</sup> )	MULTIPLE WIRE TOTAL OD (OD <sub>1</sub> + OD <sub>2</sub> ) MAX
D-436-82CS9376	26-24-22-20	304 - 1510 (0.15 - 0.75)	0.085 (2.16)
D-436-83CS9376	20-18-16	1058 - 2680 (0.53 – 1.34)	0.110 (2.79)
D-436-84CS9376	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 <sup>2</sup> )	(0.15)	(0.24)	(0.38)	(0.61)	(0.95)	(1.21)	(1.92)	(2.94)

**APPLICATION**

- 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.
- When installed per Raychem recommendation, assemblies will meet requirements of Raychem Specification RT-1404.
- This document takes precedence over documents referenced herein.

**ASSEMBLY PROCEDURE:**

- Slide sealing sleeve over both wire on one side of the crimp if two wires will be use.
- Strip wires 7.95 [5/16” ] to 8.73 [11/32”].
- 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..
- Center sealing sleeve over the splice.
- 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.

		<b>Raychem</b> Devices		TITLE : <b>(NICKEL PLATED CRIMPS) IN-LINE SPLICE SEALING SYSTEM</b>	
Unless otherwise specified dimensions are in millimeters. Inches dimensions are in between brackets.			DOCUMENT NO.: <b>D-436-82/-84CS9376</b>		
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:  27OCT2023	REV.  A1	
DRAWN BY: E. SOWJANYA	CAGE CODE: 06090	ECN NUMBER: ECN-23-234831	PROD. REV. SEE TABLE	SCALE: None	SIZE: A
					SHEET: 2 of 2

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