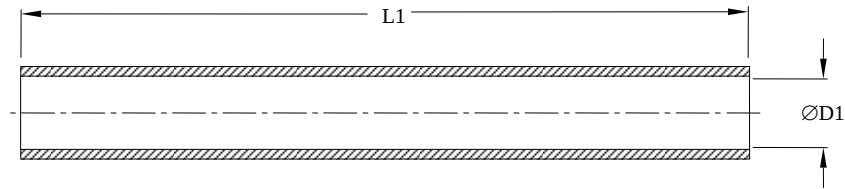
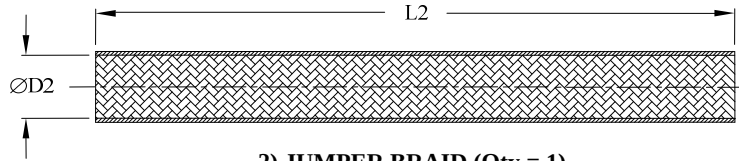


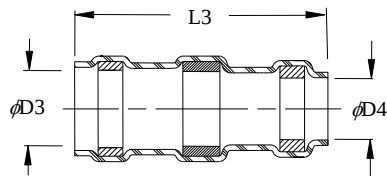
CUSTOMER DRAWING



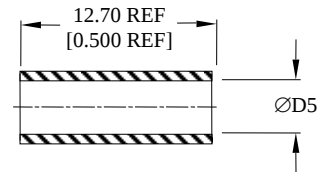
1) OUTER INSULATION SLEEVE (Qty = 1)



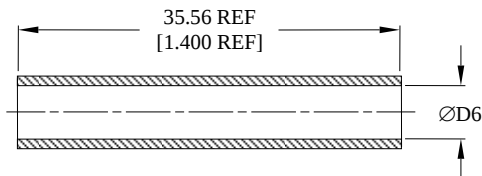
2) JUMPER BRAID (Qty = 1)



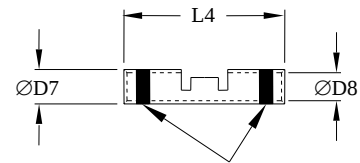
3) SOLDERSLLEEVE, Qty.: 2



4) SEALING INSERTS, Qty.: 2



5) INNER SEALING SLEEVE, Qty.: See Table



6) CRIMP SPLICE, Qty.: See Table

COLOR CODE: See Table

OUTER INSULATION SLEEVE, JUMPER BRAID, SOLDERSLLEEVE, AND SEALING RINGS DIMENSIONS

Product Name	L1 Nom	ØD1		L2 Min (3)	ØD2 Ref	L3 Max	ØD3 Min	ØD4 Min	ØD5 Min
		(1)	(2)						
D-150-0360	139.70 [5.500]	3.30 [0.130]	0.00 [0.000]	101.60 [4.000]	4.34 [0.171]	18.20 [0.715]	3.68 [0.145]	2.67 [0.105]	2.58 [0.102]
D-150-0361	116.84 [4.600]	3.30 [0.130]	0.00 [0.000]	85.0 [3.300]	4.34 [0.171]	18.20 [0.715]	3.68 [0.145]	2.67 [0.105]	2.58 [0.102]
D-150-0362	139.70 [5.500]	4.80 [0.190]	1.80 [0.070]	85.0 [3.300]	7.90 [0.312]	18.20 [0.715]	5.08 [0.200]	4.32 [0.170]	4.12 [0.162]
D-150-0363	168.00 [6.610]	4.80 [0.190]	1.80 [0.070]	139.70 [5.500]	4.34 [0.171]	18.20 [0.715]	5.08 [0.200]	4.32 [0.170]	4.12 [0.162]
D-150-0364	168.00 [6.610]	4.80 [0.190]	1.80 [0.070]	139.70 [5.500]	8.80 [0.344]	18.20 [0.715]	5.08 [0.200]	4.32 [0.170]	4.12 [0.162]
D-150-0365	200.00 [7.875]	4.80 [0.190]	1.80 [0.070]	139.70 [5.500]	8.80 [0.344]	18.20 [0.715]	5.08 [0.200]	4.32 [0.170]	4.12 [0.162]

(1) Minimum ID as supplied; (2) Maximum ID after shrinking; (3) Minimum Length on a ØD2 OD mandrel

 TE Connectivity				TITLE: SHIELDED CABLE SPLICE, FLEXIBLE, NI-PLATED BRAID AND CRIMP, 200 DEG C			
Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]			Raychem Devices	DOCUMENT NO.: D-150-0360/-0365			
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.		REV: B		DATE: 31-Aug-15	
DRAWN BY: RODRIGUEZ	CAGE CODE: 06090	REPLACES: -	ECO NUMBER: 15-012829	SCALE: NTS		SIZE: A	SHEET: 1 of 4

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CUSTOMER DRAWING

INNER SEALING SLEEVE AND CRIMP SPLICE DIMENSIONS

Product Name	Qty:	AWG Range	Color Code	øD6 Min	L4±0.25 [L4±0.010]	øD7	øD8
D-150-0360	1	26 - 20	Red	3.30 [0.130]	12.70 [0.500]	2.02 [0.080] 1.90 [0.075]	1.34 [0.053] 1.14 [0.045]
D-150-0361	1	20 - 16	Blue	3.30 [0.130]	14.60 [0.575]	2.72 [0.107] 2.54 [0.100]	1.78 [0.070] 1.60 [0.063]
D-150-0362	1	16 - 12	Yellow	4.06 [0.160]	14.60 [0.575]	3.94 [0.155] 3.71 [0.146]	2.67 [0.105] 2.41 [0.095]
D-150-0363	2	26 - 20	Red	3.30 [0.130]	12.70 [0.500]	2.02 [0.080] 1.90 [0.075]	1.34 [0.053] 1.14 [0.045]
D-150-0364	2	20 - 16	Blue	3.30 [0.130]	14.60 [0.575]	2.72 [0.107] 2.54 [0.100]	1.78 [0.070] 1.60 [0.063]
D-150-0365	3	20 - 16	Blue	4.80 [0.190]	14.60 [0.575]	2.72 [0.107] 2.54 [0.100]	1.78 [0.070] 1.60 [0.063]

MATERIALS

1. OUTER INSULATION SLEEVE: Heat-shrinkable, transparent clear, modified polytetrafluorethylene with meltable liner
2. JUMPER BRAID: Nickel-plated copper alloy.
3. SOLDER SLEEVE: Qty.: 2
INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
SOLDER PREFORM WITH FLUX:
SOLDER: TYPE Sn96 per ANSI / J-STD-006.
FLUX: TYPE ROM1 per ANSI / J-STD-004.
MELTABLE RINGS: Environment resistant modified thermoplastic fluoroelastomer. Color: light blue.
4. SEALING INSERTS: Meltable liner. Qty.: 2
5. INNER SEALING SLEEVE: Heat-shrinkable, transparent clear, modified polytetrafluorethylene with meltable liner
6. CRIMP SPLICE: Ni-plated copper. Color Code & Qty.: See table.
Base Metal: Copper Alloy 101 or 102 per ASTM B-75.
Plating: Nickel per SAE AMS-QQ-N-290.

APPLICATION

1. These Cable Splice kits may be used to obtain an immersion resistant cable splice. Both conductors and shield shall be nickel-plated and cables must be rated for not less than 150°C.
2. Temperature rating: -65°C to + 200°C.
3. Install using a Raychem-approved hot-air heaters or equivalent. Use Tyco Electronics Raychem AD-1377 crimp tool (or equivalent tool) to install crimp splices Item #6.

Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]

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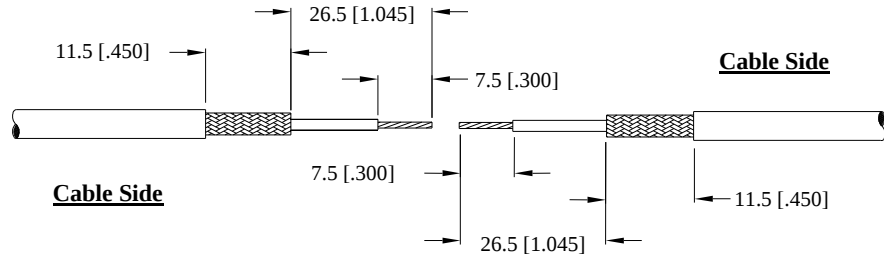
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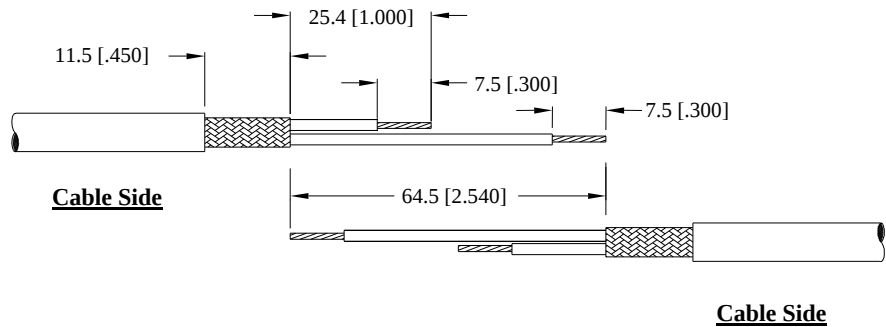
INSTALLATION PROCEDURE

CABLE PREPARATION

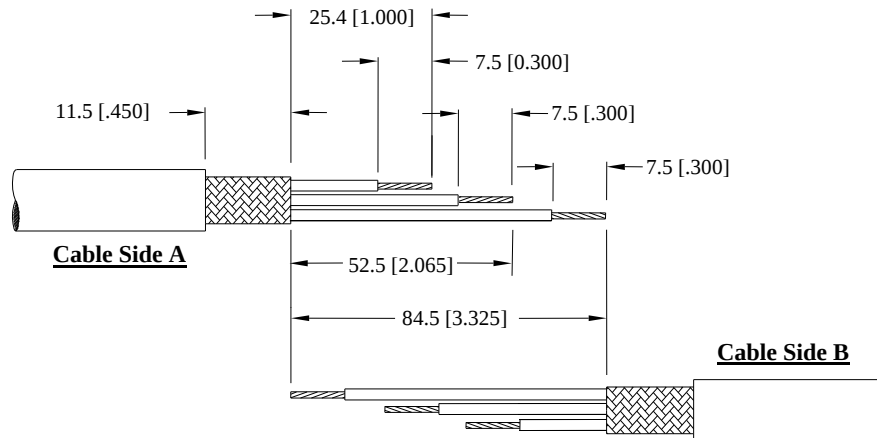
1. D-150-0360, D-150-0361, and D-150-0362
Tolerances: All lengths ± 0.50 (0.025)



2. D-150-0363 and D-150-0364
Tolerances: All lengths ± 0.50 (0.025)
Note: Short primaries on cable A must be left uncut on cable B



3. D-150-0365
Tolerances: All lengths ± 0.50 (0.025)
Note: Short primaries on cable A must be left uncut on cable B



Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]

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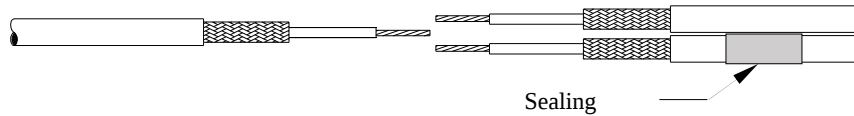
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CUSTOMER DRAWING

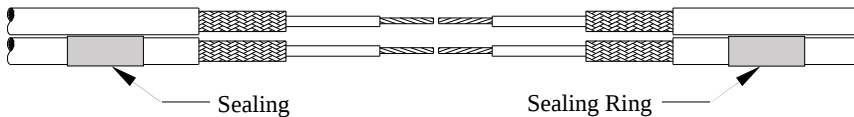
COMPONENTS ASSEMBLY

1. Place the Outer Insulation Sleeve (1) onto cable (A).
2. Place the Sealing Rings (4) on each cable when 2 cable are being splice at one or the two ends of the splice, as shown below.

2-to-1 Cable Constructions



2-to-2 Cable Constructions



3. Place one Soldersleeve (3) onto each cable.
4. Cut off the fused ends of the Jumper Braid (2) and place it onto cable (B).
5. Install a Crimp Barrel (6) onto each short primary. Use a calibrated TE Connectivity/Raychem AD-1337 crimp tool.
6. Place one Inner Sealing Sleeve (5) onto each long primary.
7. Crimp matching primaries together.
8. Center the Inner Sealing Sleeve (5) over the crimp splice and heat starting from the center, until the liner melts and the sleeve recovers. When sleeve first starts to recover there will be longitudinal lines in the meltable liner, continue heating until these lines disappear.
9. Position the Jumper Braid (2) so that the trailing end just clears the jacket of the cable (B). Twist this end down onto the cable shield.
10. Position the Soldersleeve (3) so that the edge of the solder preform is 2.5mm (.100 inch) passed the cable jacket. Place the assembly in heater so that the solder preform is centered in the reflector. Apply heat until the solder melts and flows into the cable shield. Allow solder to re-solidify before handling.
11. Pull Jumper Braid (2) tightly across the splice and twist it down onto the cable (A). Cut off any braid that overlaps the cable jackets. Repeat step 10.
12. Center the Outer Insulation Sleeve (1) over the assembly. Sleeve should overlap the cable jacket by about 25mm (1.0 inch) at each end. Heat this sleeve, starting in the center, until the inner liner melts and the sleeve recovers. When sleeve first starts to recover there will be longitudinal lines in the meltable liner, continue heating until these lines disappear.

Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]

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