IN-LINE REDUCING SPLICE CONNECTOR INSTALLATION

255-PC

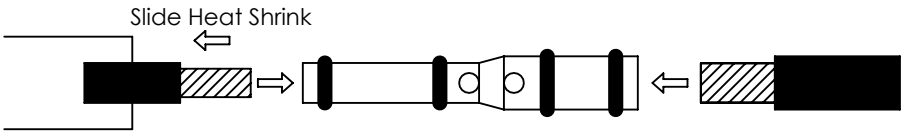
For In-Line Reducing Splice Kits where one piece of heat shrink is provided:

Select the correct reducing splice for your application. Use with copper conductor only. Verify that the connector is marked for the conductor size and type you are using.

Strip the insulation of large conductor to length shown on tool chart. Do not nick or ring the conductor strands.

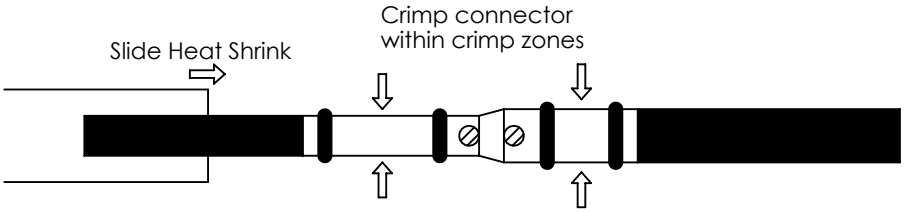
Clean the conductor.

Slide heat shrink over the smaller conductor. Insert conductors all the way into the connector. Conductor strands must be visible when viewed through inpsection holes in barrels to ensure conductors are completely inserted.

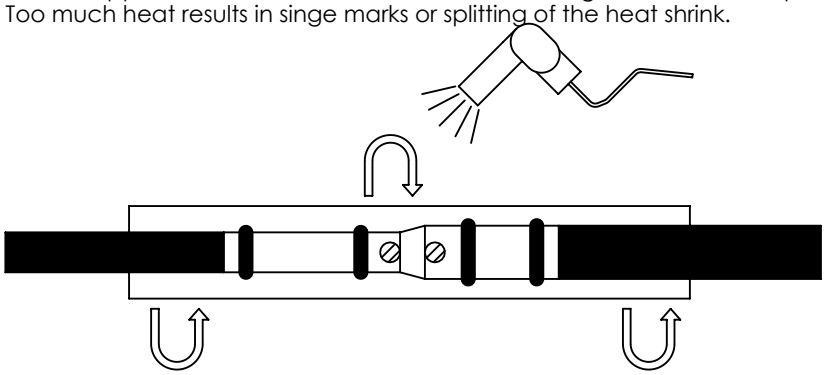


Using installation tooling shown on tool chart, match color code and die index number marked on each barrel to markings on crimp dies. The required number of compressions are shown in ( ). Make crimps in designated crimp zones marked on barrels. When making multiple compressions, start from inspection holes and work towards conductor entry in crimp barrels. Crimps should be parallel to each other so die index numbers embossed by crimp die into barrel area are easily read.

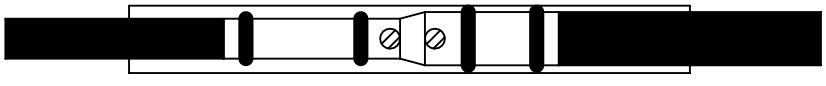
Slide Heat shrink; center over connection.



Shrink with heat tool (Panduit Model No. HSG-115V-650 recommended) moving from center of reducing splice connector toward insulated conductor on one end. Repeat moving from center of reducing splice connector toward insulated conductor on opposite end. Discontinue heat when tubing assumes the shape of the connector and conductors.
Note: Too much heat results in singe marks or splitting of the heat shrink.

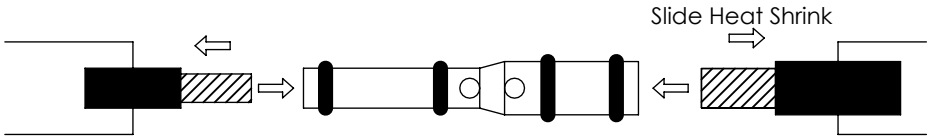


Check heat shrink for any holes or voids. Die index numbers embossed into crimps on reducing splice barrels hsould be visible through heat shrink.



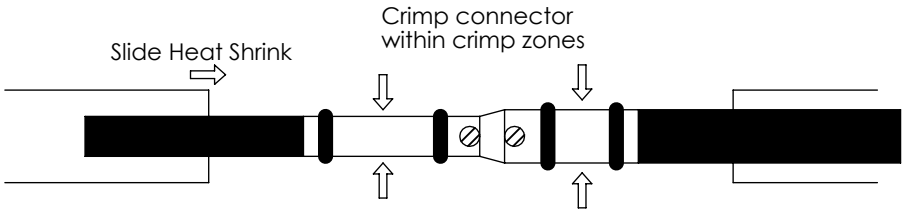
For In-Line Reducing Splice Kits where two pieces of heat shrink is provided:

1. Slide small heat shrink over the smaller conductor; slide large heat shrink over the larger conductor. Insert conductors all the way into the connector. Conductor strands must be visible when viewed through inspection holes in barrels to ensure conductors are completely inserted.

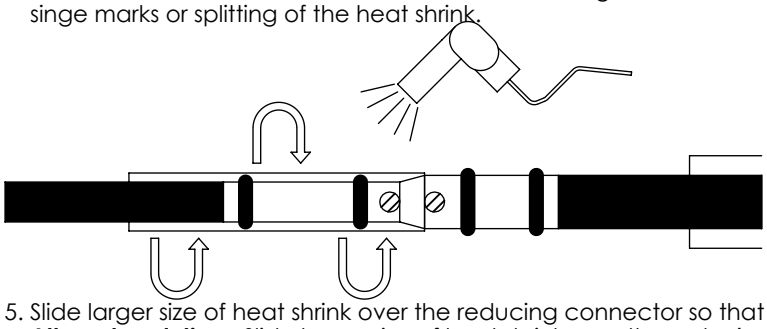


2. Using installation tooling shown on tool chart, match color code and die index number marked on each barrel to markings on crimp dies. The required number of compressions are shown in (). Make crimps in designated zones marked on barrels. When making multiple compressions, start from inspection holes and work towards conductor entry in crimp barrels. Crimps should be parallel to each other so die index numbers embossed by crimp die into barrel are easily read.

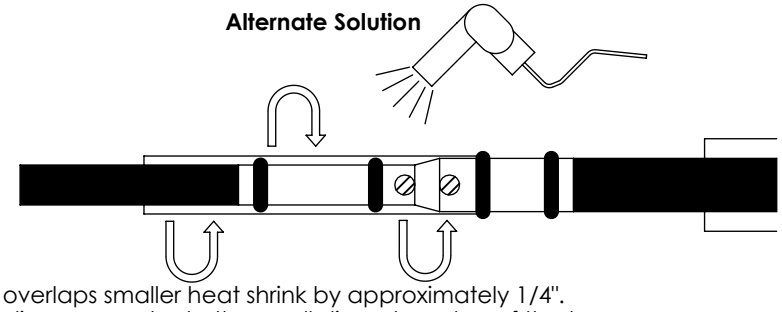
3. Slide smaller size of heat shrink over the reducing splice connector until it sops against taper.
Alternate solution: For applications where the smaller size of heat shrink does not stop against taper, slide smaller size of heat shrink over the reducing splice connector being sure to cover inspection hole of larger barrel.



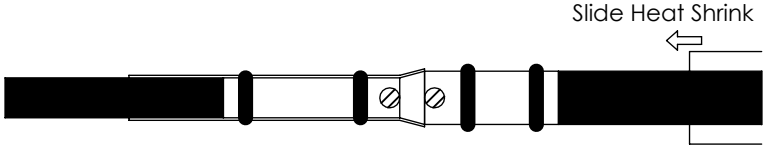
4. Shrink with heat tool (Panduit Model No. HSG-115V-650 recommended) moving from center of reducing splice connector toward smaller insulated conductor. Discontinue heat when tubing assumes the shape of the connector and conductor. **Note:** Too much heat results in singe marks or splitting of the heat shrink.

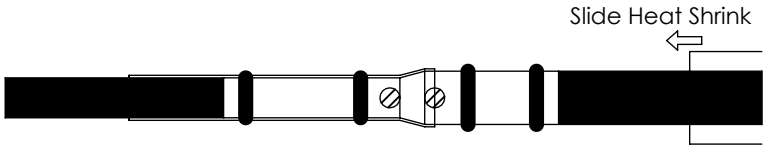


Alternate Solution

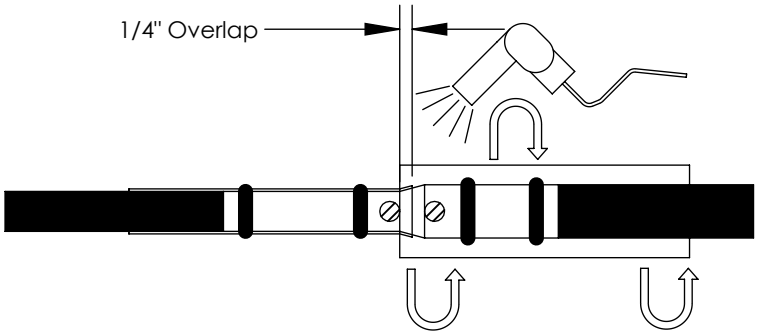


5. Slide larger size of heat shrink over the reducing connector so that it overlaps smaller heat shrink by approximately 1/4".
Alternate solution: Slide larger size of heat shrink over the reducing splice connector to the small diameter edge of the taper.

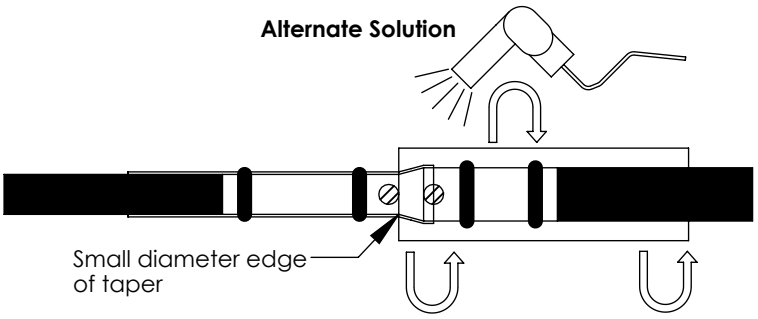




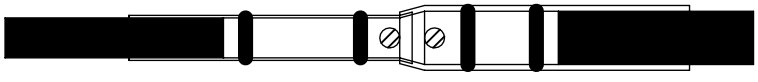
6. Repeat step 4 moving from center of reducing splice connector toward larger insulated conductor.
Note: For alternate solution, larger size of heat shrink may not completely form to the small edge of the taper.



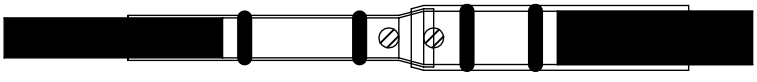
Alternate Solution



7. Check heat shrink for any holes or voids. Die index numbers embossed into crimps on reducing splice barrels should be visible through heat shrink.



Alternate Solution



PANDUIT PART NUMBER	REDUCING FROM		REDUCING TO		DIE PART NUMBER, COLOR CODE, AND DIE INDEX NUMBER (NO. OF COMPRESSIONS)							
	COPPER CONDUCTOR SIZE	WIRE STRIP LENGTH (in.)	COPPER CONDUCTOR SIZE	WIRE STRIP LENGTH (in.)	CT-1700		CT-720		CT-2001 CT-2002		CT-2940**, CT-940CH** CT-930^, CT-930CH^, CT-2930^ CT-920^^, CT-920CH^^, CT-2920^^	
					REDUCING FROM	REDUCING TO	REDUCING FROM	REDUCING TO	REDUCING FROM	REDUCING TO	REDUCING FROM	REDUCING TO
RSC4-6	2 AWG SOL 4-3 AWG STR	1	6 AWG CODE	1-5/16	GRAY P29 (2)	BLUE P24 (3)	CD-720-1 GRAY P29 (1)	CD-720-1 BLUE P24 (2)	CD-2001-4 GRAY P29 (1)	CD-2001-6 BLUE P24 (2)	CD-920-4 GRAY P29 (1)	CD-920-6 BLUE P24 (2)
RSC2-6	2 AWG CODE	1	6 AWG CODE	1-5/16	BROWN P33 (2)	BLUE P24 (3)	CD-720-1 BROWN P33 (1)	CD-720-1 BLUE P24 (2)	CD-2001-2 BROWN P33 (1)	CD-2001-6 BLUE P24 (2)	CD-920-2 BROWN P33 (1)	CD-920-6 BLUE P24 (2)
RSC2-4	2 AWG CODE	1	2 AWG SOL 4-3 AWG STR	1-5/16	BROWN P33 (2)	GRAY P29 (3)	CD-720-1 BROWN P33 (1)	CD-720-1 GRAY P29 (2)	CD-2001-2 BROWN P33 (1)	CD-2001-4 GRAY P29 (2)	CD-920-2 BROWN P33 (1)	CD-920-4 GRAY P29 (1)
RSC1/0-6	1/0 AWG CODE	1	6 AWG CODE	1-5/16	----	----	CD-720-2 PINK P42 (1)	CD-720-1 BLUE P24 (2)	CD-2001-1/0 PINK P42 (1)	CD-2001-6 BLUE P24 (2)	CD-920-1/0 PINK P42 (1)	CD-920-6 BLUE P24 (2)
RSC1/0-4	1/0 AWG CODE	1	2 AWG SOL 4-3 AWG STR	1-5/16	----	----	CD-720-2 PINK P42 (1)	CD-720-1 GRAY P29 (2)	CD-2001-1/0 PINK P42 (1)	CD-2001-4 GRAY P29 (2)	CD-920-1/0 PINK P42 (1)	CD-920-4 GRAY P29 (1)
RSC2/0-6	2/0 AWG CODE	1-1/16	6 AWG CODE	1-5/16	----	----	CD-720-2 BLACK P45 (2)	CD-720-1 BLUE P24 (2)	CD-2001-2/0 BLACK P45 (2)	CD-2001-6 BLUE P24 (2)	CD-920-2/0 BLACK P45 (1)	CD-920-6 BLUE P24 (2)
RSC2/0-4	2/0 AWG CODE	1-1/16	2 AWG SOL 4-3 AWG STR	1-5/16	----	----	CD-720-2 BLACK P45 (2)	CD-720-1 GRAY P29 (2)	CD-2001-2/0 BLACK P45 (2)	CD-2001-4 GRAY P29 (2)	CD-920-2/0 BLACK P45 (1)	CD-920-4 GRAY P29 (1)
RSC4/0-6	4/0 AWG CODE	1-1/16	6 AWG CODE	1-5/16	----	----	CD-720-3 PURPLE P54 (2)	CD-720-1 BLUE P24 (2)	CD-2001-4/0 PURPLE P54 (2)	CD-2001-6 BLUE P24 (2)	CD-920-4/0 PURPLE P54 (1)	CD-920-6 BLUE P24 (2)
RSC4/0-4	4/0 AWG CODE	1-1/16	2 AWG SOL 4-3 AWG STR	1-5/16	----	----	CD-720-3 PURPLE P54 (2)	CD-720-1 GRAY P29 (2)	CD-2001-4/0 PURPLE P54 (2)	CD-2001-4 GRAY P29 (2)	CD-920-4/0 PURPLE P54 (1)	CD-920-4 GRAY P29 (1)
RSC4/0-1/0	4/0 AWG CODE	1-1/16	1/0 AWG CODE	1-9/16	----	----	CD-720-3 PURPLE P54 (2)	CD-720-2 PINK P42 (2)	CD-2001-4/0 PURPLE P54 (2)	CD-2001-1/0 PINK P42 (2)	CD-920-4/0 PURPLE P54 (1)	CD-920-1/0 PINK P42 (2)
RSC4/0-2/0	4/0 AWG CODE	1-1/16	2/0 AWG CODE	1-7/16	----	----	CD-720-3 PURPLE P54 (2)	CD-720-2 BLACK P45 (2)	CD-2001-4/0 PURPLE P54 (2)	CD-2001-2/0 BLACK P45 (2)	CD-920-4/0 PURPLE P54 (1)	CD-920-2/0 BLACK P45 (2)

** CD-920 Dies can be used with CT-940CH and CT-2940 tools. Requires CD-940-DA Die Adapter.
+ CD-940 Dies to be used with CT-940CH and CT-2940 Tools only.
^ Maximum conductor size: 500 kcmil FLEX CLASS I and 750 kcmil CODE.
^^ Maximum conductor size: 250 kcmil FLEX CLASS I and 400 kcmil CODE.

PANDUIT PART NUMBER	REDUCING FROM		REDUCING TO		DIE PART NUMBER, COLOR CODE, AND DIE INDEX NUMBER (NO. OF COMPRESSIONS)							
					CT-1700		CT-720		CT-2001 CT-2002		CT-2940**, CT-940CH** CT-930^, CT-930CH^, CT-2930^ CT-920^^, CT-920CH^^, CT-2920^^	
	COPPER CONDUCTOR SIZE	WIRE STRIP LENGTH (in.)	COPPER CONDUCTOR SIZE	WIRE STRIP LENGTH (in.)	REDUCING FROM	REDUCING TO	REDUCING FROM	REDUCING TO	REDUCING FROM	REDUCING TO	REDUCING FROM	REDUCING TO
RSC500-X4/0	500 kcmil CODE	1-7/8	4/0 AWG FLEX CLASS I	1-7/16	----	---	CD-720-7 BROWN P87 (2)	CD-720-3 YELLOW P62 (2)	CD-2001-500 BROWN P87 (3)	CD-2001-250 YELLOW P62 (2)	CD-920-500 BROWN P87 (2)	CD-920-250 YELLOW P62 (2)
RSC500-X350	500 kcmil CODE	1-7/8	350 kcmil FLEX CLASS I	1-7/8	----	---	CD-720-7 BROWN P87 (2)	CD-720-6 BLUE P76 (2)	CD-2001-500 BROWN P87 (3)	CD-2001-400 BLUE P76 (3)	CD-920-500 BROWN P87 (2)	CD-920-400 BLUE P76 (2)
RSC750-4/0	750 kcmil CODE	2	4/0 AWG CODE	1-5/8	----	---	----	---	---	---	CD-920-750 CD-940-750+ BLACK P106 (2)	CD-920-4/0 PURPLE P54 (2)
RSC750-X4/0	750 kcmil CODE	2	4/0 AWG FLEX CLASS I	1-7/16	----	---	----	---	---	---	CD-920-750 CD-940-750+ BLACK P106 (2)	CD-920-250 YELLOW P62 (2)
RSC750-X350	750 kcmil CODE	2	350 kcmil FLEX CLASS I	1-7/8	----	---	----	---	---	---	CD-920-750 CD-940-750+ BLACK P106 (2)	CD-920-400 BLUE P76 (2)
RSC750-500	750 kcmil CODE	2	500 kcmil CODE	1-7/8	----	---	----	---	---	---	CD-920-750 CD-940-750+ BLACK P106 (2)	CD-920-500 BROWN P87 (2)
RSC750-X500	750 kcmil CODE	2	500 kcmil FLEX CLASS I	2	----	---	----	---	---	---	CD-920-750 CD-940-750+ BLACK P106 (2)	CD-920-500A PINK P99 (2)
RSC750-750	750 kcmil CODE	2	750 kcmil CODE	2	----	---	----	---	---	---	CD-920-750 CD-940-750+ BLACK P106 (2)	CD-920-750 CD-940-750+ BLACK P106 (2)
RSCX750-4/0	750 kcmil FLEX CLASS I	2	4/0 AWG CODE	1-5/8	----	---	----	---	---	---	CD-940-750X+ YELLOW P115 (2)	CD-920-4/0 PURPLE P54 (2)
RSCX750-750	750 kcmil FLEX CLASS I	2	750 kcmil CODE	2	----	---	----	---	---	---	CD-940-750X+ YELLOW P115 (2)	CD-920-750 CD-940-750+ BLACK P106 (2)

** CD-920 Dies can be used with CT-940CH and CT-2940 tools. Requires CD-940-DA Die Adapter.
+ CD-940 Dies to be used with CT-940CH and CT-2940 Tools only.
^ Maximum conductor size: 500 kcmil FLEX CLASS I and 750 kcmil CODE.
^^ Maximum conductor size: 250 kcmil FLEX CLASS I and 400 kcmil CODE.

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