

Panduit Copper Compression Parallel Splices Selection Guide



How to Use this Guide

Example: (3) #14 AWG wires
(2) #12 AWG wires

- In Table 1 find #14 AWG wire size and # of wires on vertical axis.
- Find #12 AWG wire size and # of wires on horizontal axis.
- Find the intersection of ① and ② to identify the correct color coded splice, which corresponds to the part number in Table 2. Blue = PSCBLU-L
- See Table 3 on reverse side for proper die index number, wire strip length, and number of crimps.

Sample

AWG	AWG # of Wires	#14	#12
		1 2 3	1 2 3
#14	1	-	-
	2	-	-
	3	-	-

Part Number	Barrel O.D. (In.)	Length (In.)	Panduit Color Code	Panduit Die Index No.	Std. Pkg. Qty.
PSCRED-L	0.27	0.50	Red	P21	50
PSCBLU-L	0.31	0.50	Blue	P24	50
PSCGRY-L	0.38	0.50	Gray	P29	50
PSCBRN-L	0.47	0.62	Brown	P33	50
PSCGRN-L	0.52	0.62	Green	P37	50
PSCPNK-L	0.58	0.62	Pink	P42	50
PSCBLK-Q	0.64	0.81	Black	P45	25
PSCORG-Q	0.71	0.81	Orange	P50	25
PSCPUR-Q	0.77	0.88	Purple	P54	25
PSCYEL-Q	0.81	1.05	Yellow	P62	25

Table 2

AWG	AWG # of Wires	#14	#12	#10	#8	#6	#4	#2	#1	1/0	2/0	3/0
		1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3
#14	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
#12	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
#10	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
#8	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
#6	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
#4	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
#2	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
#1	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
1/0	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
2/0	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-
3/0	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-

Table 1

Unified Physical Infrastructure



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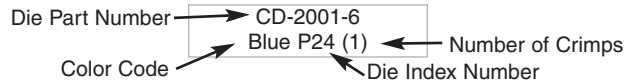
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Crimping Tools and Die Selections for Copper Compression Parallel Splices with Copper Code Conductor

How to Read this Table

For PSCBLU-L parallel splice and CT-3001 crimping tool:



		Panduit Crimping Tool Part Number		
Panduit Splice Part Number	Wire Strip Length (In.)	Uni-Die™ Dieless CT-980, CT-980CH, CT-2950, CT-2980, CT-2981	CT-2001, CT-2002, CT-3001	CT-920, CT-930, CT-2940*, CT-920CH, CT-930CH, CT-940CH*, CT-2920, CT-2930, CT-2931
		Die Part Number/Color Code and Die Index Number (Number of Crimps)		
PSCRED-L	 7/16	—	CD-2001-8 Red P21 (1)	CD-920-8 Red P21 (1)
PSCBLU-L	 7/16	—	CD-2001-6 Blue P24 (1)	CD-920-6 Blue P24 (1)
PSCGRY-L	 7/16	(1)	CD-2001-4 Gray P29 (1)	CD-920-4 Gray P29 (1)
PSCBRN-L	 11/16	(1)	CD-2001-2 Brown P33 (1)	CD-920-2 Brown P33 (1)
PSCGRN-L	 11/16	(1)	CD-2001-1 Green P37 (1)	CD-920-1 Green P37 (1)
PSCPNK-L	 11/16	(1)	CD-2001-1/0 Pink P42 (1)	CD-920-1/0 Pink P42 (1)
PSCBLK-Q	 7/8	(1)	CD-2001-2/0 Black P45 (1)	CD-920-2/0 Black P45 (1)
PSCORG-Q	 7/8	(1)	CD-2001-3/0 Orange P50 (1)	CD-920-3/0 Orange P50 (1)
PSCPUR-Q	 1	(1)	CD-2001-4/0 Purple P54 (1)	CD-920-4/0 Purple P54 (1)
PSCYEL-Q	 1 1/16	(1)	CD-2001-250 Yellow P62 (1)	CD-920-250 Yellow P62 (1)

*CD-920 dies can be used with CT-940CH and CT-2940 tools with the CD-940-DA die adapter.



Heat Shrink End Caps and Tubing



- Applications include insulating and protecting conductors
- Adhesive-lined inner wall seals and protects against moisture
- Temperature range -67°F to 230°F
- HST tubing is UL Recognized for sunlight resistance; UL Listed for sealed wire connector system
- Voltage rating: 600 V

Parallel Splice Part Number	Recommended Heat Shrink End Cap	Recommended Thick Wall Heat Shrink
PSCRED-L	HSECFR0.5-XY	HST0.4-6-3Y
PSCBLU-L		
PSCGRY-L		
PSCBRN-L	HSECFR0.8-XY	HST0.8-6-3Y
PSCGRN-L		
PSCPNK-L		
PSCBLK-Q	HSECFR1.0-XY	HST1.1-6-3Y
PSCORG-Q		
PSCPUR-Q		
PSCYEL-Q		

Heat Shrink Labels



- Shrink ratio 3:1
- Meets UL Standard 224, VW-1 for flammability
- Meets MIL-M-81531 and MIL-STD-883E Notice 4, Method 2015.13 when printed with RMEH4BL or RMER4BL series thermal transfer ribbons
- Meets requirements for radiation exposure, thermal aging, and LOCA/MSLB environmental testing

Suggested Label Solutions			
PanTher™ LS8E Hand-Held Printer Label		TDP43ME Thermal Transfer Desktop Printer Label	
Part Number	AWG	Part Number	AWG
H100X025H1C	22 - 18	H100X025H1T	22 - 18
H100X034H1C	18 - 12	H100X034H1T	18 - 12
H100X044H1C	16 - 10	H100X044H1T	16 - 10
H100X064H1C	12 - 6	H100X064H1T	12 - 6
H100X084H1C	8 - 1	H100X084H1T	8 - 1

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For a copy of Panduit product warranties, log on to www.panduit.com/warranty

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