PANDUIT® P-CONN™ SCREW-ON WIRE CONNECTORS

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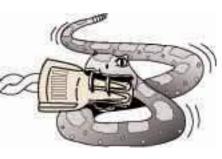
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PANILIT® P-CONN™ SIDEWINDER™ SCREW-ON WIRE CONNECTORS



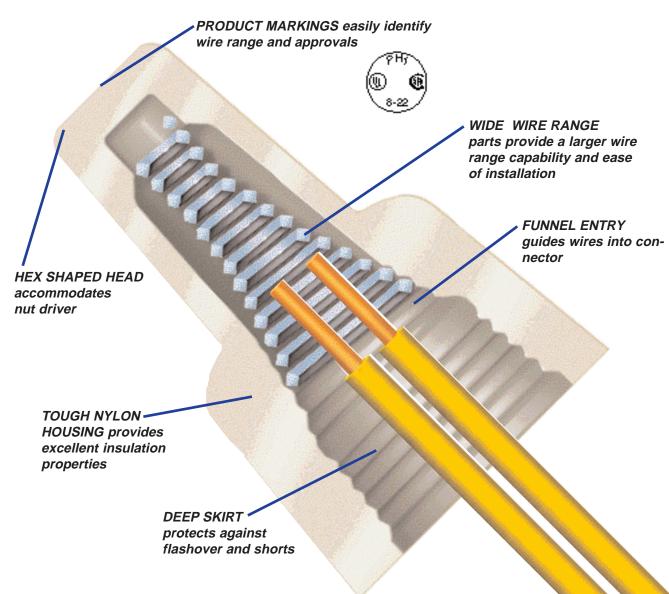
Hex Style . . . Features







- Ribbed design for easy, comfortable installation
- Two sizes cover full range of wire sizes and combinations
- Funnel entry guides wires into connector
- Tough nylon housing resists breakage
- ▲ Excellent electrical insulation
- Standard industry colors



P-CONN™ SIDEWINDER™ SCREW-ON WIRE CONNECTORS

SIDEWINDER™ Hex Style

These high-quality connectors provide an expanded wire range capability which can reduce inventory. Twist them on by hand, or utilize a nut driver on the hexagonal shaped head for easy installation. They are UL and CSA approved and designed for optimum performance in a variety of applications.



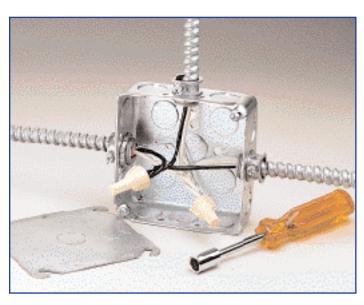


Insulation	Panduit	Wire	Wire Range		CMA Range		
Color	Part Number	Min.	Max.	Min.	Max.	Туре	
Tan	PH1-C PH1-D	(3) #22 AWG	(5) #12 AWG	1,920	35,250	100 Box 500 Bag	
Gray	PH2-L PH2-TL	(1) #12 AWG (1) #14 AWG	(2) #8 AWG (2) #12 AWG	9,060	46,080	50 Box 250 Bag	

SIDEWINDER™ Capacity Chart

				WIRE COMBINATIONS				
CMA*	3 #22	3 #20 2 #18	2 #14	1 #10 2 #12 1 #12 3 #12	3 #10 2 #8	4 #10	2 #6	2 #6 1 #10
CIVIA	1920	3060 3240	8220	13060 16850 19590	30960 33020	41280	52540	62860
PH1								
PH2								

^{*} CMA = Circular Mil Area (See Wire Combination Table, Page 10)



Hex Shaped Head

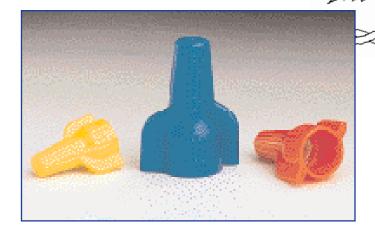
Makes twisting multiple wires
quick and easy with the use of
a nut driver.

P-CONN™ HAWK™ SCREW-ON WIRE CONNECTORS

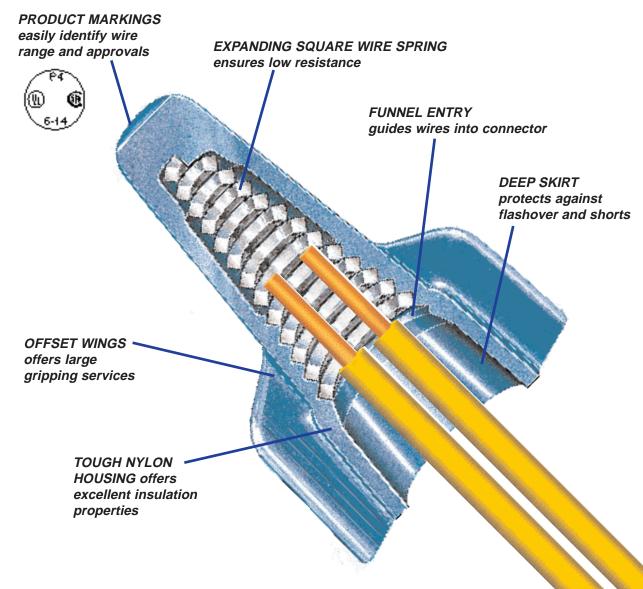








- Ribbed grip surface
- ▲ Three convenient sizes, plus grounding wire connectors
- ▲ Funnel entry simplifies installation
- ▲ Tough nylon housing provides excellent electrical insulating properties
- ▲ Available in yellow, red, blue and green



TO P-CONN™ HAWK™ SCREW-ON WIRE CONNECTORS

HAWK™ Wing Style

These screw-on connectors are both economical and reusable. The wide wire range of each connector minimizes inventory requirements. They save installation time because they do not require any pre-twisting of wires.



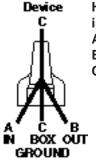


Insulation	Panduit	Wire Range		CMA Range		Pkg. Qty./
Color	Part Number	Min.	Max.	Min.	Max.	Туре
Yellow	P1-C P1-D	(3) #22 AWG	(3) #12 AWG	1,920	19,590	100 Box 500 Bag
Red	P2-C P2-D	(3) #22 AWG	(3) #12 AWG (1) #8 AWG	1,920	36,100	100 Box 500 Bag
Blue	P4-L P4-TL	(1) #12 AWG (1) #14 AWG	(2) #6 AWG (1) #10 AWG	10,640	62,860	50 Box 250 Bag

Green	P2G-C P2G-D	(2) #14 AWG	(5) # 12 AWG	8,220	32,650	100 Box 500 Box
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Color-coded Green for quick identification as grounding connector.





How grounding wire connector is typically used . . .

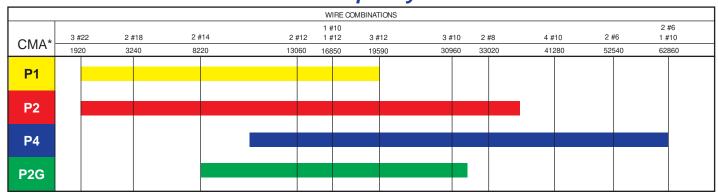
- A. System grounding wire
- B. System grounding wire
- C. "Through" wire between device and box ground







HAWK™ Capacity Chart



^{*} CMA = Circular Mil Area (See Wire Combination Table, Page 10)

PANTULT® P-CONN™ SHARK™ SCREW-ON WIRE CONNECTORS

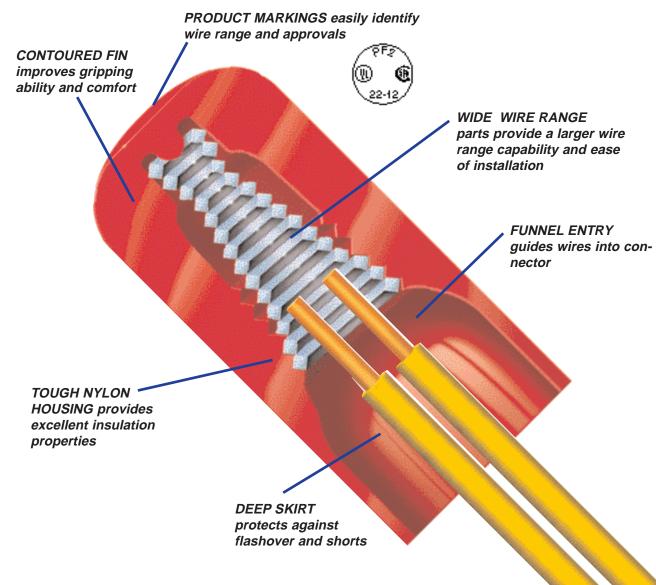


SHARK™ Fin Style . . . Features





- ▲ Large grip area for easy-on-the-fingers installation
- ▲ Three sizes cover full range of wire sizes and combinations
- ▲ Funnel entry guides wires into connector
- ▲ Tough nylon housing resists breakage
- ▲ Excellent electrical insulation
- Standard industry colors



PANILUT® P-CONN™ SHARK™ SCREW-ON WIRE CONNECTORS

SHARK™ Fin Style

These high-quality wire connectors provide an expanded wire range capability and are fully UL and CSA Approved. They are designed for optimum performance in a variety of applications including manufacturing, maintenance and new construction.

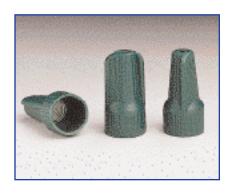


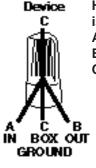


Insulation	Panduit	Wire F	Wire Range		CMA Range		
Color Part Number		Min.	Max.	Min.	Max.	Туре	
Yellow	PF1-C PF1-D	(3) #22 AWG	(3) #12 AWG	1,920	19,590	100 Box 500 Bag	
Red	PF2-C PF2-D	(3) #22 AWG	(5) #12 AWG	1,920	32,650	100 Box 500 Bag	
Blue	PF4-L PF4-TL	(1) #12 AWG (1) #14 AWG	(1) #6 AWG (2) #8 AWG	10,640	59,290	50 Box 250 Bag	

Green	PF2G-C PF2G-D	(2) #14 AWG	(5) #12 AWG	8,220	32,650	100 Box 500 Box
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Color-coded Green for quick identification as grounding connector.





How grounding wire connector is typically used . . .

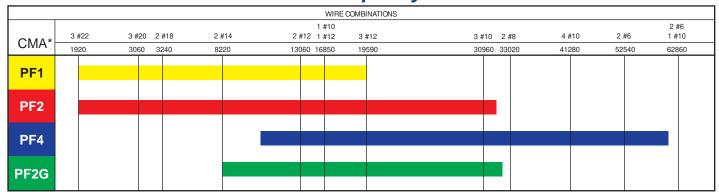
- A. System grounding wire
- B. System grounding wire
- **C.** "Through" wire between device and box ground





evice

SHARK™ Capacity Chart



PANTULT® P-CONN™ PYTHON™ SCREW-ON WIRE CONNECTORS

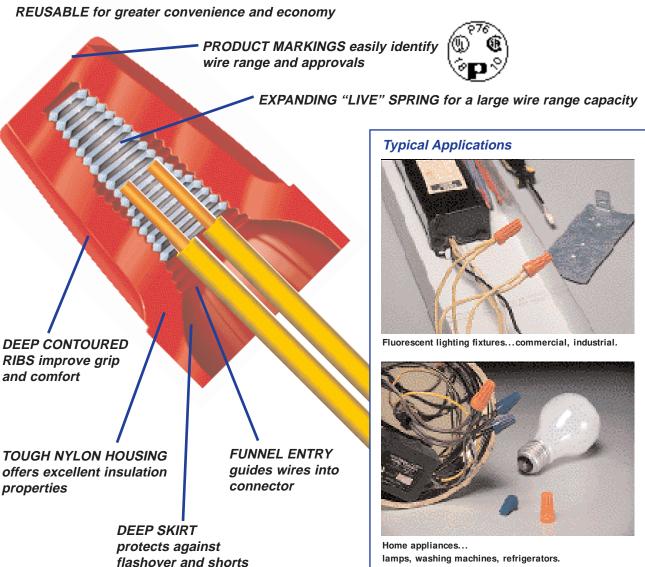


PYTHON™Nut Style . . . Features





- Space-saving design
- Deep ribs for improved grip
- ▲ Four convenient sizes plus high-temperature style
- ▲ Tough nylon housing
- Available in blue, orange, yellow, red and black



PANTUIT® P-CONN™ PYTHON™ SCREW-ON WIRE CONNECTORS

PYTHON™ Nut Style

These high-quality wire connectors provide an expanded wire range capability and are fully UL and CSA Approved. They are designed for optimum performance in a variety of applications including manufacturing, maintenance LISTED CERTIFIED and new construction. 587H



Temperature 105°C (221°F)

Insulation	Panduit	Wire F	Range	CMA R	ange	Pkg. Qty./
Color	Part Number	Min.	Max.	Min.	Max.	Туре
Blue	P72-C P72-D P72-10M	(2) #22 AWG	(3) #16 AWG	1,280	7,740	100 Box 500 Bag 10,000 Keg
Orange	P73-C P73-D P73-10M	(3) #20 AWG	(4) #16 AWG	3,060	10,320	100 Box 500 Bag 10,000 Keg
Yellow	P74-C P74-D P74-10M	(2) #18 AWG	(3) #12 AWG	3,240	19,590	100 Box 500 Bag 10,000 Keg
Red	P76-C P76-TL P76-5M	(4) #18 AWG	(4) #12 AWG	6,480	26,120	100 Box 250 Bag 5,000 Keg

*High Temperature 150°C (302°F)*For High Temp. applications, such as high intensity discharge lighting (HID)

	P72HT-D P72HT-10M	(2) #22 AWG	(3) #16 AWG	1,280	7,740	500 Bag 10,000 Keg
Black	P73HT-D P73HT-10M	(3) #20 AWG	(4) #16 AWG	3,060	10,320	500 Bag 10,000 Keg
Diack	P74HT-D P74HT-10M	(2) #18 AWG	(3) #12 AWG	3,240	19,590	500 Bag 10,000 Keg
	P76HT-TL P76HT-5M	(4) #18 AWG	(4) #12 AWG	6,480	26,120	250 Bag 5,000 Keg

PYTHON™ Capacity Chart

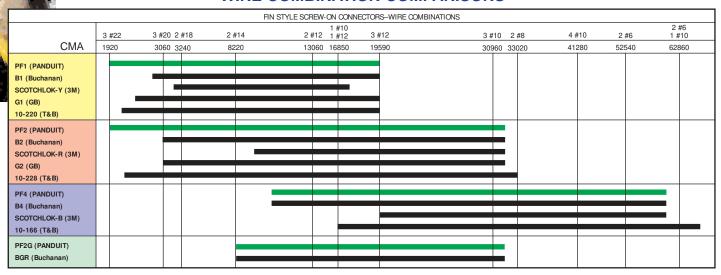


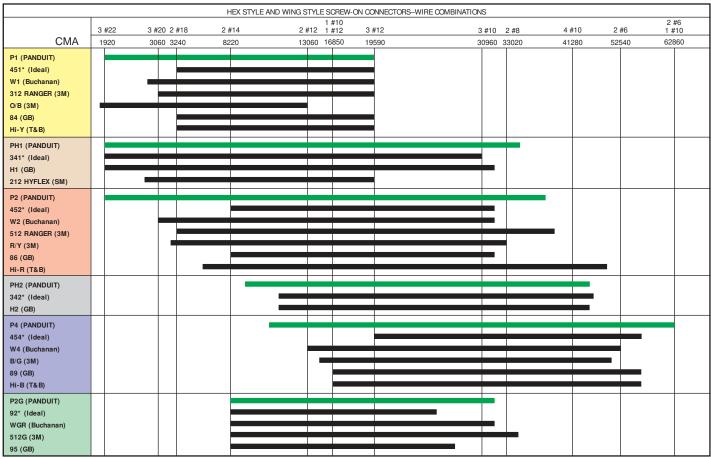
^{*} CMA = Circular Mil Area (See Wire Combination Table, page 11)

PANITUT® P-CONN™ SCREW-ON WIRE CONNECTORS

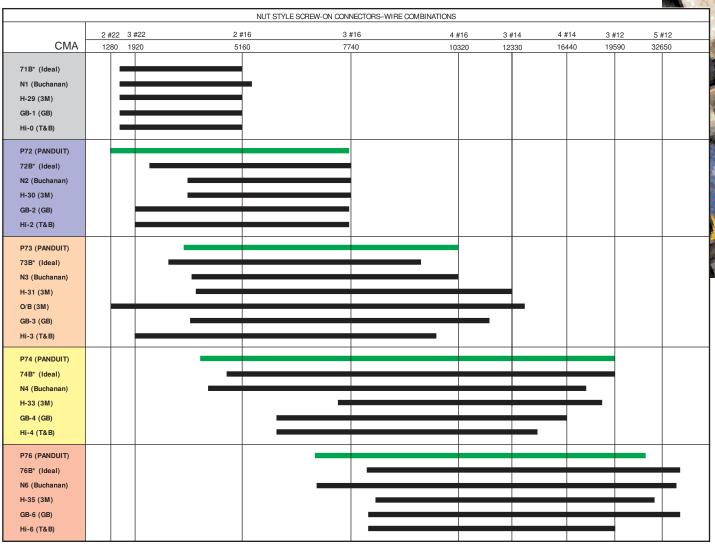


WIRE COMBINATION COMPARISONS





PANILUT® P-CONN™ SCREW-ON WIRE CONNECTORS



^{*} Registered Trademark of Ideal Industries Inc.

Wire Combination Table

For calculating total Circular Mil Area

Directions: Locate desired size of wire(s) in left column. Read across to find Circular Mil Area for the total number of wires per each wire size. Add these amounts together to calculate the total Circular Mil Area for desired wire combination.

Example: (1)#14 + (1)#12 = 10,640. (Use this table in conjunction with the wire range charts on pages 3, 5, 7 and 9 or the specific listed CMA range shown for each part.)

	Circu	Circular Mil Area per number of wires						
Wire Size	1 Wire	2 Wires	3 Wires	4 Wires	5 Wires			
#22 AWG	640	1280	1920	2560	3200			
#20 AWG	1020	2040	3060	4080	5100			
#18 AWG	1620	3240	4860	6480	8100			
#16 AWG	2580	5160	7740	10320	12900			
#14 AWG	4110	8220	12330	16440	20550			
#12 AWG	6530	13060	19590	26120	32650			
#10 AWG	10380	20760	31140	41520	51900			
#8 AWG	16510							

Consult product package or factory for UL Listed and CSA Certified combinations.

PANDUIT P-CONN SCREW-ON WIRE CONNECTORS

"Pick-A-P-CONN™" Assortment Kits



A collection of the most popular wire connectors packaged in a sturdy, reusable plastic box.

Part Number	Description
KP-305	Kit includes: 1 Reusable plastic box 100 Yellow P1 100 Orange P73 75 Red P2 15 Blue P4 2 Quick-Spins
KP-305S	Kit includes: 100 Yellow PF1 100 Orange P73 75 Red PF2 15 Blue PF4 2 Quick-Spins

"QUICK-SPIN" Installation Tools



Use these handy tools for quick and easy installation of screw-on and nut style connectors. Fits 1/4" drill (not included).

Part Number	For use with Part Number	
PQS1	P1, P2	HAWK [™] Wing Style
PQS2	P72, P73, P72HT, P73HT	PYTHON™ Nut Style
PQS3	P74, P76, P74HT, P76HT	PYTHON™ Nut Style
PQS4	PF1, PF2	SHARK™ Fin Style

Crimp Joints







*Except JN314-412, J216-410

Solderless crimp - preferred for applications subject to vibration.

Panduit Part Number	Insul. Color	Wire Range		CMA Range		Std.	Bulk
		Min.	Max.	Min.	Max.	Pkg.	Pkg.
Nylon Insulated							
JN224-318-C JN218-216-C JN418-212-C JN314-412-C	Red Clear Clear Clear	(2) #24 AWG (2) #22 AWG (4) #18 AWG (3) #14 AWG	(3) #18 AWG (2) #16 AWG (2) #12 AWG (4) #12 AWG	808 1,284 6,480 10,320	5,160 5,160 14,750 26,120	100 100 100 100	1000 1000 500 1000
Non-Insulated							
J214-312-T J318-412-T J216-410-L	- - -	(2) #14 AWG (3) #18 AWG (2) #16 AWG	(3) #12 AWG (4) #12 AWG (4) #10 AWG	5,760 4,860 5,160	19,590 27,330 41,600	200 200 50	2000 2000 500

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