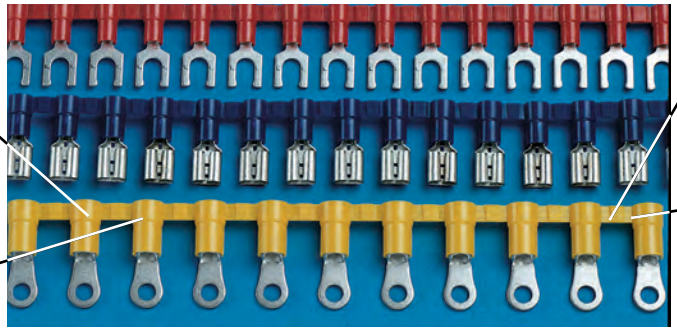
Features and Benefits – Reel Smart™ Termination System

The Panduit® continuously molded Reel Smart™ products are designed such that the terminal, disconnect, and butt splice housings are connected by an integral molded carrier in the barrel crimp zone, producing a continuous length of product. Plated metal terminals, disconnects, and splices are then assembled into the housings. During termination, the continuously molded components are fed into a universal applicator. This process produces a reel-fed solution that eliminates a variety of problems associated with other reel-fed designs and provides high quality, high capacity product on reels for longer, uninterrupted production runs – resulting in the lowest installed cost.



Pre-insulated design eliminates the need for post-insulation – resulting in labor savings

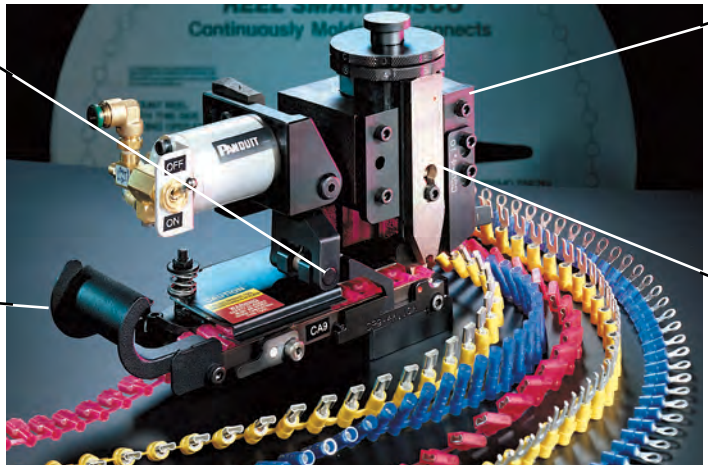
Barrel position is controlled for consistent wire feed targeting to deliver high process capability

Continuously molded design always aligns product with the carrier strip – resulting in trouble free tool operation

Plastic carrier strip eliminates sharp, unplated edges as found on metal strip-fed carriers – providing better corrosion resistance

Reel Smart™ CA9 Ezair™ Universal Applicator

The Panduit® CA9 Ezair™ applicator automatically adjusts feed stroke to the correct pitch and length for the entire product line of continuously molded products. The need for multiple applicators is eliminated. The applicator, in conjunction with the precision, continuously molded product provides perfect front-to-back and side-to-side alignment in the die pocket for a high quality termination every time – resulting in the most optimum system to terminate terminals.



Automatic, self-adjusting feed stroke – resulting in correct pitch and length

Versatile applicator design – allows for installation in bench presses, and most automatic wire processing systems of 3rd party manufacturers

Universal applicator installs Reel Smart™ product line – resulting in lower tooling inventory costs

Quick change dies – provide fast product change-over and reduction in set-up time

Nylon Insulated Terminals with Insulation Grip Sleeve (Funnel and Non-Funnel Entry Types)

The three-piece design terminal provides a permanently attached tin plated brass sleeve for insulation grip in funnel and straight entry sleeve designs. This product feature offers the most reliable terminations. Nylon insulation is rated up to 600 V maximum and designed for up to 221°F (105°C) operating temperature maximum. Supplied on rings, forks, locking forks, short locking forks and flanged forks in wire sizes #22 through #10.

- Sleeved barrel – assures crimp reliability
- PNF – funnel entry styles available
- Metal insulation crimp – provides DOUBLE CRIMP wire insulation grip sleeve for high vibration and to meet conductor strain environments
- Internal wire barrel serrations – provides increased wire contact and maximum tensile strength
- Product markings – UL and CSA rated – up to 600 V, maximum operating temperature 221°F (105°C)

Order number of pieces required, in multiples of Standard Package Quantity.

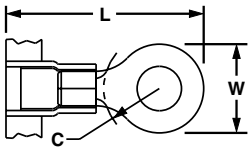
Part Number System for Reel Smart™ Terminals

P	NF	14	–	6	R	N	3K
Type	Insulation	Wire Range		Stud Size	Tongue Configuration	Special Configuration	Std. Pkg. Size
P = Terminal BS = Butt Splice	N = Nylon Insulated NF = Nylon Insulated Funnel Entry V = Vinyl Insulated	18 = #22 – 18 14 = #16 – 14 12 = #16 – 12 10 = #12 – 10		4 = #4 5 = #5 6 = #6 8 = #8 10 = #10 14 = 1/4" 56 = 5/16" 38 = 3/8"	R = Ring HDR = Heavy Duty Ring F = Fork FF = Flanged fork LF = Locking fork	N = Narrow Tongue W= Wide Tongue B = Butted Seam = Standard (leave blank)	2K = 2,000 pcs. 3K = 3,000 pcs.

Ring Terminals, Nylon Insulated – Non-Funnel Entry

Type PN-R

- Continuously molded design provides reliable, consistent performance through the applicator for a high quality termination every time
- Ring tongue design assures a secure connection in high vibration applications
- Metal insulation grip sleeve crimps to wire insulation, providing protection to the crimp joint during high vibration applications
- Internal barrel serrations assure good wire contact and maximum tensile strength
- UL Flammability UL 94 HB, maximum insulation temperature 221°F (105°C)
- UL and CSA rated up to 600 V per UL 486A/B



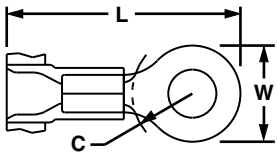
Part Number	Wire Range	Color Code	Stock Thickness (In.)	Max Ins. (In.)	Stud Size	Figure Dimensions (In.) L	W	C	CA9 Series Crimp Die	CA-800/EZ Series Crimp Die	Pieces Per Reel
PN18-4R-3K	22 – 18 AWG	Red	0.03	0.145	#4	0.80	0.25	0.22	CD9-1A	CD-800-1	3000
PN18-6RN-3K					#6	0.74	0.22	0.18			3000
PN18-6R-3K					#6	0.78	0.25	0.22			3000
PN18-8R-3K					#8	0.86	0.31	0.25			3000
PN18-10R-3K					#10	0.86	0.31	0.25			3000
PN18-14R-3K					1/4"	1.05	0.45	0.38			3000
PN14-4R-3K	16 – 14 AWG	Blue	0.03	0.162	#4	0.76	0.25	0.22	CD9-2A	CD-800-2	3000
PN14-6RN-3K					#6	0.76	0.25	0.22			3000
PN14-6R-3K					#6	0.86	0.31	0.25			3000
PN14-8R-3K					#8	0.86	0.31	0.25			3000
PN14-10R-3K					#10	0.86	0.31	0.25			3000
PN14-14R-3K					1/4"	1.06	0.44	0.38			3000
PN10-6R-2K	12 – 10 AWG	Yellow	0.04	0.225	#6	1.06	0.38	0.31	CD9-3B	CD-800-3	2000
PN10-8R-2K					#8	1.06	0.38	0.31			2000
PN10-10R-2K					#10	1.06	0.38	0.31			2000
PN10-14R-2K					1/4"	1.21	0.52	0.38			2000
PN10-56R-2K					5/16"	1.21	0.52	0.38			2000
PN10-38R-2K					3/8"	1.29	0.58	0.43			2000

Ring Terminals, Vinyl Insulated – Funnel Entry

LISTED CERTIFIED

Type PV-RB

- Continuously molded design provides reliable, consistent performance through the applicator for a high quality termination every time
- Ring tongue design assures a secure connection in high vibration applications
- Insulation support helps to prevent wire damage in bending applications
- UL Flammability UL 94V-0, maximum insulation temperature 221°F (105°C)
- UL and CSA rated up 600 V per UL 486A/B



Part Number	Wire Range	Color Code	Stock Thickness (In.)	Max Ins. (In.)	Stud Size	Figure Dimensions (In.)			CA9 Series Crimp Die	CA-800/EZ Series Crimp Die	Pieces Per Reel
						L	W	C			
PV18-4RNB-3K	22 – 18 AWG	Red	0.03	0.150	#4	0.74	0.21	0.19	CD9-1A	CD-800-1	3000
PV18-4RB-3K					#4	0.78	0.25	0.20			3000
PV18-6RNB-3K					#6	0.75	0.23	0.19			3000
PV18-6RB-3K					#6	0.78	0.25	0.20			3000
PV18-8RB-3K					#8	0.86	0.31	0.25			3000
PV18-10RB-3K					#10	0.86	0.31	0.25			3000
PV18-14RB-3K					1/4"	1.06	0.45	0.38			3000
PV18-56RB-2K					5/16"	1.06	0.46	0.38	CD9-1B		2000
PV18-38RB-2K					3/8"	1.15	0.53	0.43			2000
PV14-4RB-3K	16 – 14 AWG	Blue	0.03	0.170	#4	0.76	0.25	0.22	CD9-2A	CD-800-2	3000
PV14-6RNB-3K					#6	0.76	0.25	0.22			3000
PV14-6RB-3K					#6	0.86	0.31	0.25			3000
PV14-8RB-3K					#8	0.86	0.31	0.25			3000
PV14-10RB-3K					#10	0.86	0.31	0.25			3000
PV14-14RB-3K					1/4"	1.05	0.45	0.38			3000
PV14-56RB-2K					5/16"	1.06	0.46	0.38	CD9-2B		2000
PV14-38RB-2K					3/8"	1.15	0.53	0.43			2000
PV10-6RB-2K	12 – 10 AWG	Yellow	0.04	0.225	#6	1.02	0.31	0.31	CD9-3B	CD-800-3	2000
PV10-8RB-2K					#8	1.02	0.31	0.31			2000
PV10-10RB-2K					#10	1.02	0.31	0.31			2000
PV10-14RB-2K					1/4"	1.20	0.52	0.38			2000
PV10-56RB-2K					5/16"	1.20	0.52	0.38			2000
PV10-38RB-2K					3/8"	1.23	0.58	0.43			2000