

# Custom Color Insulation Sleeves

## Applications:

Equipment manufacturers that prefer a non-standard color scheme to:

1. Comply to performance requirements  
(Example: military camouflage)
2. Improve item identification during assembly and maintenance
3. Strengthen brand identity

## Customer Concern:

A manufacturer of amusement rides required insulated terminal products that had very little appearance in low light areas. The appearance of the wiring would reduce the impact of the entertainment experience.

## Panduit Solution:

Custom Color Insulated Terminal Products.

Modified colorant was added to the vinyl insulation material. Samples were checked with the customer to verify a color match. The colorant did not alter the electrical or mechanical performance of the vinyl insulated terminal products. The part dimensions were maintained, which prevented any required change of crimp tools, dies, or UL certification.

## Application Considerations:

Consult factory to match specific color for your application. The ability to identify wire range from industry standard [Red (18 – 22 AWG); Blue (14 – 16 AWG); Yellow (10 – 12 AWG)] is lost when non-standard colors are used, as it is difficult to differentiate barrel sizes when insulation housings are all the same color.



PV14-10R with Standard Blue Color Insulation



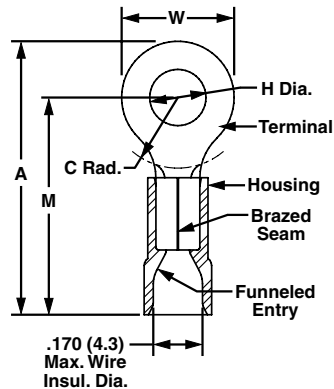
PV14-10R with Custom Color Black Insulation



PV14-10R with Custom Color Green Insulation

# Custom Color Insulation Sleeves

## Loose Piece



Part Number		Stud Size	Dimensions In. (mm)					Crimp Tool
			A $\pm 0.03$	W $\pm 0.01$	C $\pm 0.02$	M $\pm 0.03$	H $\pm 0.01$	
PV14-4R	-C -M	#4	.84 (21.3)	.25 (6.4)	.19 (4.8)	.71 (18.0)	.12 (3.1)	CT-100A, CT-1550, CT-1551
PV14-6RN	-C -M	#6	.84 (21.3)	.25 (6.4)	.19 (4.8)	.71 (18.0)	.15 (3.8)	
PV14-6R	-C -M	#6	.92 (23.4)	.31 (7.9)	.25 (6.4)	.76 (19.3)	.15 (3.8)	
PV14-8R	-C -M	#8	.92 (23.4)	.31 (7.9)	.25 (6.4)	.76 (19.3)	.17 (4.3)	
PV14-10R	-C -M	#10	.92 (23.4)	.31 (7.9)	.25 (6.4)	.76 (19.3)	.20 (5.1)	
PV14-14R	-C -M	1/4"	1.12 (28.5)	.46 (11.7)	.38 (9.7)	.89 (22.6)	.27 (6.9)	
PV14-56R	-C -M	5/16"	1.12 (28.5)	.46 (11.7)	.38 (9.7)	.89 (22.6)	.34 (8.6)	
PV14-38R	-L -M	3/8"	1.21 (30.7)	.53 (13.5)	.43 (10.9)	.94 (23.9)	.40 (10.2)	
PV14-12R	-L	1/2"	1.42 (36.1)	.72 (18.3)	.53 (13.5)	1.06 (26.9)	.52 (13.2)	

### Notes:

- UL Listed and CSA Certified for:
  - 600 V maximum voltage rating (1000 V maximum in signs, fixtures, and luminaries)
  - 18 – 14 AWG solid or stranded copper wire and 221°F (105°C) maximum temperature rating, with the CT-1550 and CT-1551 installation tools
  - 16 – 14 AWG solid or stranded copper wire and 167°F (75°C) maximum temperature rating, with the CT-100A installation tools
- RoHS compliant
- Material:
  - Stamping – .032 (.8) thick tin-plated copper
  - Housing – Vinyl, Custom Specified Color
- Strip length: 5/16+1/32" / -0
- Dimensions in brackets are in millimeters
- Package qty.:
  - (Std. pkg. qty.) – L = 50 pcs.
  - (Std. pkg. qty.) – C = 100 pcs.
  - (Bulk pkg. qty.) – M = 1000 pcs.

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TMAN17--WW-ENG  
replaces WW-TMAN06  
12/2015