



Nylon Insulated Large Ring Terminals



- Brazed Seam
- Molded Funnel Entry Insulator
- Internal Barrel Serrations

Catalog Number	Wire Range	Bolt Size (d2)	Dimension <small>inch mm</small>							
			W	F	L	E	D	d1	T	
KN8-8R-D	8 A.W.G. 8 mm ²	#8	.169 4.3	.315 8.0	.366 9.3	1.142 29.0	.630 16.0	.315 8.0	.177 4.5	.047 1.2
KN8-10R-D		#10	.209 5.3	.364 8.8	.429 10.9	1.232 31.3				
KN8-14R-D		1/4	.252 6.4	.472 12.0	.366 9.3	1.232 31.3				
KN8-516R-D		5/16	.331 8.4	.591 15.0	.543 13.8	1.469 37.3				
KN8-38R-D		3/8	.413 10.5	.591 15.0	.543 13.8	1.469 37.3				
KN8-12R-D		1/2	.512 13.0	.787 20.0	.591 15.0	1.614 41.0				
KN6-10R-W	6 A.W.G. 14 mm ²	#10	.209 5.3	.472 12.0	.524 13.3	1.606 40.8	.846 21.5	.433 11.0	.228 5.8	.059 1.5
KN6-14R-W		1/4	.252 6.4							
KN6-516R-W		5/16	.331 8.4	.630 16.0	.559 14.2	1.713 43.5				
KN6-38R-W		3/8	.413 10.5							
KN6-12R-W		1/2	.512 13.0	.866 22.0	.780 19.8	2.047 52.0				

Box Quantity: (W)=250; (D)=500

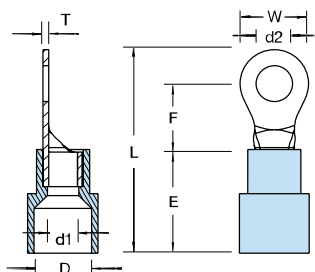
For mylar tape, replace box quantity with (T). Example: KN8-8R-T.

See pages in back of catalog for complete tool information.
Tool and Die Selection Chart on page M42.

Maximum Electrical Rating: 105°C 600 Volts Max.
Terminal Material: Copper

#8 AWG on mylar tape is UL Listed.
#6 AWG on mylar tape is UL Listed.

UL File #E9809
CSA File #LR4503



M

Spec-Kon[®]

Tools used with Nylon Insulated Large Ring Terminals



TBM6S

For tooling information for nylon insulated large ring terminals, see page M37.



KT-2500

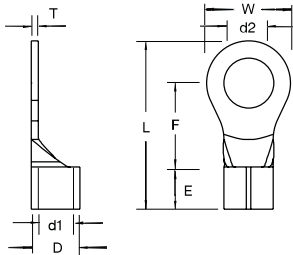


Non-Insulated Large Ring Terminals



- Brazed Seam
- Chamfered Barrel
- Internal Barrel Serrations

Catalog Number	Wire Range	Bolt Size (d2)		Dimension ^{inch} / _{mm}						
				W	F	L	E	D	d1	T
K8-8R-D	8 A.W.G. 8 mm ²	#8	.169 4.3	.315 8.0	.366 9.3	.846 21.5	.337 8.5	.283 7.2	.177 4.5	.047 1.2
K8-10R-D		#10	.209 5.3	.346 8.8	.429 10.5	.937 23.8				
K8-14R-D		1/4	.252 6.4	.472 12.0	.366 9.3	.937 23.8				
K8-516R-D		5/16	.331 8.4	.591 15.0	.543 13.8	1.161 29.8				
K8-38R-D		3/8	.413 10.5	.591 15.0	.543 13.8	1.161 29.8				
K8-12R-D		1/2	.512 13.0	.787 20.0	.591 15.0	1.319 33.5				
K6-10R-D	6 A.W.G. 14 mm ²	#10	.209 5.3	.472 12.0	.524 13.3	1.173 29.8	.413 10.5	.354 9.0	.228 5.85	.059 1.5
K6-14R-D		1/4	.252 6.4	.472 12.0	.524 13.3	1.173 29.8				
K6-516R-D		5/16	.331 8.4	.630 16.0	.559 14.2	1.280 32.5				
K6-38R-D		3/8	.413 10.5	.630 16.0	.559 14.2	1.280 32.5				
K6-12R-W		1/2	.512 13.0	.866 22.0	.780 19.8	1.614 41.0				
K4-8R-W*	4 A.W.G. 22 mm ²	#8	.169 4.3	.481 12.2	.594 15.1	1.307 33.2	.472 12.0	.453 11.5	.303 7.7	.067 1.7
K4-10R-W*		#10	.209 5.3	.481 12.2	.594 15.1	1.307 33.2				
K4-14R-W*		1/4	.252 6.4	.481 12.2	.594 15.1	1.299 33.0				
K4-516R-W*		5/16	.331 8.4	.650 16.5	.531 13.5	1.319 33.5				
K4-38R-W*		3/8	.413 10.5	.650 16.5	.531 13.5	1.319 33.5				
K4-12R-CC*		1/2	.512 13.0	.866 22.0	.776 19.7	1.661 42.5				
K2-10R-CC*	2 A.W.G. 38 mm ²	#10	.209 5.3	.602 15.3	.685 17.4	1.535 39.0	.551 14.0	.524 13.3	.370 9.4	.071 1.8
K2-14R-CC*		1/4	.252 6.4	.602 15.3	.685 17.4	1.535 39.0				
K2-516R-CC*		5/16	.331 8.4	.602 15.3	.685 17.4	1.535 39.0				
K2-38R-CC*		3/8	.413 10.5	.602 15.3	.685 17.4	1.535 39.0				
K2-12R-CC*		1/2	.512 13.0	.866 22.0	.697 17.7	1.681 42.7				



Box Quantity: C=100; CC=200; (W)=250; (D)=500;

For mylar tape, replace box quantity with (T). Example: K6-10R-T.
See pages in back of catalog for complete tool information.
Tool and Die Selection Chart on page M42.

Terminal Material: Copper

UL File #E9809
*Pending UL Listing

Tools used with Non-Insulated Large Ring Terminals



TBM6S

KT-2500

For tooling information for nylon insulated large ring terminals, see page M37.



Vinyl Insulated Large Ring Terminals



- Brazed Seam
- Internal Barrel Serrations

Catalog Number	Wire Range	Bolt Size (d2)	Dimension <small>inch mm</small>							
			W	F	L	E	D	d1	T	
KV8-8R-D	8 A.W.G. 8 mm ²	#8	.169 4.3	.315 8.0	.366 9.3	1.16 29.5	.650 16.5	.335 8.5	.177 4.5	.047 1.2
KV8-10R-D		#10	.209 5.3	.346 8.8	.429 10.9	1.25 31.8				
KV8-14R-D		1/4	.252 6.4	.472 12.0	.366 9.3	1.25 31.8				
K8-516R-D		5/16	.331 8.4	.591 15.0	.543 13.8	1.49 37.8				
KV8-38R-D		3/8	.413 10.5	.591 15.0	.543 13.8	1.49 37.8				
KV8-12R-D		1/2	.512 13.0	.787 20.0	.591 15.0	1.63 41.5				
KV6-10R-W	6 A.W.G. 14 mm ²	#10	.209 5.3	.472 12.0	.524 13.3	1.62 41.2	.886 22.5	.414 10.5	.222 5.65	.059 1.5
KV6-14R-W		1/4	.252 6.4	.472 12.0	.524 13.3	1.62 41.2				
KV6-516R-W		5/16	.331 8.4	.630 16.0	.571 14.5	1.75 44.5				
KV6-38R-W		3/8	.413 10.5	.630 16.0	.571 14.5	1.75 44.5				
KV6-12R-W		1/2	.512 13.0	.866 22.0	.780 19.8	2.09 53				

Box Quantity: (W)=250; (D)=500

For mylar tape, replace box quantity with (T). Example: KN8-8R-T.

See pages in back of catalog for complete tool information.
Tool and Die Selection Chart on page M42.

Maximum Electrical Rating: 105°C 600 Volts Max.

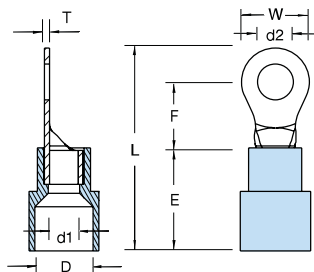
Terminal Material: Copper

#8 AWG on mylar tape is UL Listed.

#6 AWG on mylar tape is UL Listed.

UL File #E9809

CSA File #LR4503



M

Spec-Kon[®]

Tools used with Vinyl Insulated Large Ring Terminals



TBM6S

For tooling information for nylon insulated large ring terminals, see page M37.



KT-2500



Crimp Terminals, Disconnects, and Splices

Thomas & Betts is pleased to introduce Spec-Kon® crimp terminals, disconnects, and splices. Ideal for OEM applications, the Spec-Kon® line can be used anywhere a high number of terminations are required every day, such as the wiring harness, panelboard, telecommunications, and automotive industries.

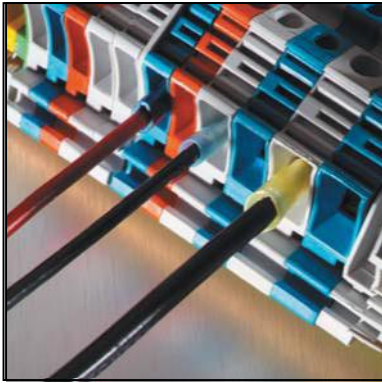
The Spec-Kon® terminal offering includes:

- A broad selection of bulk-packaged loose piece terminals in non-insulated and insulated varieties, including male and female disconnects, rings, forks, pins, blades, butt splices, wire joints and bullet connectors.
- Terminals on mylar tape for automated applications, including the new KT-2500 power tool for frequent, repeated crimps.
- The ERG-2500 ergonomic hand tool, which crimps all sizes of insulated barrel-style Spec-Kon® wire termination products.

Catalog Numbering System

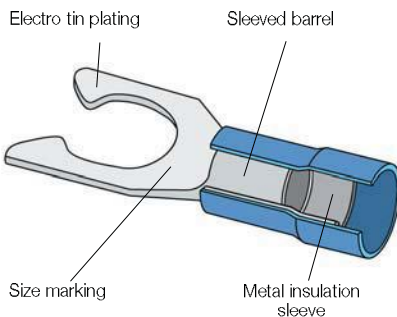
Example: KV18-6R-M

K	V	18	6	R	M
Product	Terminal and Insulation	Wire Size Range	Feature Size	Terminal Type	Box Quantity
Thomas & Betts Spec-Kon® Terminals	(Blank) Bare Non-Insulated (V) Vinyl Funnel Entry (N) Nylon Funnel Entry (VF) Vinyl Fully Insulated (NF) Nylon Fully Insulated	(18) 22-16 AWG (14) 16-14 AWG (10) 12-10 AWG (8) 8 AWG (6) 6 AWG (4) 4 AWG (2) 2 AWG	Bolt Hole: Ring and Fork Terminals Tab Width: (250 Series) Disconnects Pin Length: Pin Terminals Blade Length: Blade Terminals Diameter: Bullets	(R) Ring (MS) Multiple Stud Ring (F) Fork (LF) Locking Fork (FF) Flanged Fork (PT) Pin Terminal (BL) Blade Terminal (MD) Male Disconnect (FD) Female Disconnect (FFD) Female Flag Disconnect (PD) Piggy Back Disconnect (FB) Female Bullet (MB) Male Bullet (BS) Butt Splice (QS) Quick Splice (WJ) Wire Joint (Closed End) (BFD) Barrel Flag Disconnect	(C) = 100 (CC) = 200 (W) = 250 (D) = 500 (M) = 1,000 (T) = Mylar Tape* * Please contact Customer Service for pricing and availability.



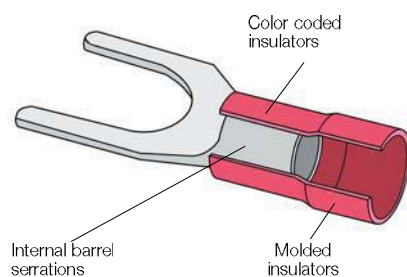
Features and Benefits of Spec-Kon® Terminals

- **Internal barrel serrations**—During crimping, the wire will cold flow into serrations, giving lower resistance connections and improving tensile strength.
- **Size marking**—Wire range is stamped on the tongue (metric and English) for easy access to the terminal size without drawings/packageing.
- **Electro tin plating**—Provides excellent corrosion resistance, superior finish for better-looking installation.
- **Ergonomic hand tool**—Ergonomically designed ERG-2500 completes a UL listed crimp while requiring substantially lower handle forces.
- **One tool for all insulated products**—Thomas & Betts offers a single tool that crimps the entire range of standard insulated terminals, disconnects, and butt splices. Many competitors require 2 to 4 tools to cover the same range.
- **Color coding**—Insulators are color coded for specific wire size (red=22-16AWG, blue=16-14AWG, yellow=12-10AWG). Red=8AWG, blue=6AWG.



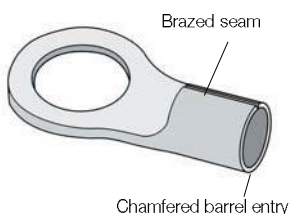
Nylon Insulated Terminals

- **Sleeved barrel**—Ensures barrel does not separate during crimping.
- **Molded insulators**—Molded insulators ensure consistent shape and quality, shaped entry speeds installation and reduces wire hang up.
- **Metal insulation sleeve**—Sleeve crimps wire insulation, providing high-vibration resistance and conductor strain relief.
- **Nylon material**—Ideal for harsh environments. Provides excellent chemical, impact and abrasion resistance.
- **Ratings**—UL Listed, cULus Listed, CSA, 600 V at 105°C.



Vinyl Insulated Terminals

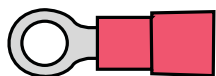
- **Brazed seam**—Ensures barrel does not separate during crimping.
- **Molded funnel entry insulators**—Funnel entry speeds installation and reduces wire hang up. Molded insulators ensure consistent shape and quality every time.
- **Insulation crimp**—The insulator mouth is flared to speed installation and accommodate thicker insulated wires. Also, provides insulation support strain relief in high-vibration applications.
- **Vinyl material**—Economical, moisture resistant and flame retardant (UL94V-0)
- **Ratings**—UL Listed, cULus Listed, CSA, 600 V at 105°C.



Non-Insulated Terminals

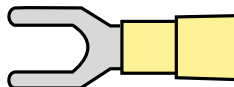
- **Brazed seam**—Ensures barrel does not separate during crimping.
- **Chamfered barrel entry**—Smoothing the barrel entry edge facilitates wire insertion.
- **Ratings**—UL Listed, cULus Listed, CSA, 2000 V.

Design Features of Spec-Kon® Terminals



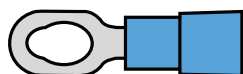
Rings

Provides the most secure and reliable connection available



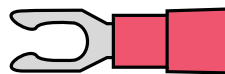
Forks

Fast and easy to install without removing the terminal block screw



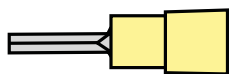
Multiple-Stud Rings

Special tongue style that accommodates 3 stud sizes with one terminal



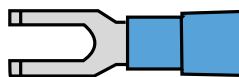
Locking Forks

Offers the secure connection of a ring terminal with the fast and easy installation of a fork terminal



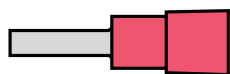
Pins

Standard insulation-style terminals for use on DIN-style/metric terminal blocks



Flanged Forks

Turned-up toes provide secure connections in high-vibration applications



Blades

Standard insulation-style terminals for use on DIN-style/metric terminal blocks

Performance Requirements

Description	Wire Size (AWG)										
	#22	#20	#18	#16	#14	#12	#10	#8	#6	#4	#2
U.L. 486A (Terminals)											
Test Current for Max. 50°C Rise (Amps)	9	12	17	18	30	35	50	70	95	125	70
Min. Tensile Strength* (Lbs.)	8	13	20	30	50	70	80	90	100	140	180

* Pull-out force of the crimped terminal.

Applicable Spec-Kon® products meet or exceed the following test specifications:

- UL486A (Terminals)
- CSA
- UL486C (Splices)

UL listed products are shown with the applicable logos in the product section.

UL file #E9809 (Terminals).

CSA file #LR4503