

## FEATURES

- Copper body material for high conductivity and easy crimping
- Tin plating for resistance to corrosion
- Added strength and excellent conductivity
- Vinyl insulation for electrical insulation and terminal protection
- Colour coded insulation for easy identification of terminal size
- Expanded insulation entry for easy wire insertion

## RS PRO Insulated Ring Terminal, M4 Stud Size, 1.5mm<sup>2</sup> to 2.5mm<sup>2</sup> Wire Size, Blue

RS Stock No.: 613-9508



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

From RS PRO a high-quality insulated crimp ring terminal, also known as a ring connector or cable lug. Ring crimp terminals are used for connecting an electrical cable or wire to a stud or a post on an electrical component such as a battery terminal. This ring terminal is made from highly conductive copper and then tin plated for maximum electrical conductivity and corrosion resistance. A colour coded vinyl insulation provides protection to the terminal and aids quick identification of the terminal size. Once correctly crimped onto a wire or cable this ring terminal will provide a secure and reliable electrical connection.

## General Specifications

<b>Insulation</b>	Insulated
<b>Insulation Material</b>	Vinyl
<b>Colour</b>	Blue
<b>Contact Material</b>	Copper
<b>Contact Plating</b>	Tin
<b>Stud Size</b>	M4
<b>Application</b>	Wide range of industries for connecting wires to electrical components. Applications include wiring in industrial control systems and industrial machines, automotive applications, communication equipment, power supplies and domestic appliances.

## Electrical Specifications

<b>Maximum Electrical Rating</b>	105°C 600 VOLTS MAX.
<b>Maximum Electrical Current</b>	16 AWG: 18A, 14 AWG: 30A

## Mechanical Specifications

<b>Thickness</b>	0.8mm
<b>Overall Length</b>	22.8mm
<b>Inner Ring Diameter</b>	4.3mm
<b>Outer Ring Diameter</b>	8.5mm
<b>Maximum Wire Size</b>	2.5mm <sup>2</sup>
<b>Minimum Wire Size</b>	1.5mm <sup>2</sup>
<b>Maximum Wire Size (AWG)</b>	14AWG
<b>Minimum Wire Size (AWG)</b>	16AWG

## Operation Environment Specifications

<b>Maximum Operating Temperature</b>	150°C
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## Approvals

<b>Compliance/Certifications</b>	UL
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MAXIMUM ELECTRIC CURRENT:

A.W.G.	16	14
AMP.	18	30



MAXIMUM ELECTRICAL RATING: 105°C 600 VOLTS MAX.

INSULATION MATERIAL: VINYL

INSULATION COLOR: 16-14A.W.G.: BLUE

TERMINAL MATERIAL: COPPER

WIRE RANGE A.W.G. mm <sup>2</sup>	ITEM NO.		STUD SIZE		DIMENSION inch(mm)						
	BRAZED SEAM	BUTTED SEAM		d2	W	F	L	E	D	d1	T
16-14 A.W.G. 1.5-2.5 mm <sup>2</sup>	<input type="checkbox"/>	<b>613-9508</b>	#8	0.169 4.3	0.335 8.5	0.307 7.8	0.898 22.8	0.433 11	0.177 4.500	0.091 2.3	0.031 0.8

Wire Size	Colour	Stud Size	Replacement Stock Number
0.5 to 1.5 mm <sup>2</sup>	Red	M4	<a href="#">613-9249</a>
1.5 to 2.5 mm <sup>2</sup>	Blue	M4	<a href="#">613-9508</a>
1.5 to 2.5 mm <sup>2</sup>	Blue	M5	<a href="#">613-9312</a>
4 to 6 mm <sup>2</sup>	Yellow	M6	<a href="#">613-9413</a>
0.5 to 1.5 mm <sup>2</sup>	Red	M4	<a href="#">613-9479</a>
1.5 to 2.5 mm <sup>2</sup>	Blue	M4	<a href="#">613-9435</a>



