



YAES18K1, Radiation Resistant Insulated Ring Terminal For 22 - 18 AWG

By Burndy
Catalog # [YAES18K1](#)



Radiation Resistant Insulated Ring Terminal For 22 - 18 AWG

Features

- Insulation provides 200 megarad radiation resistance plus successfully tested for insulation compatibility
- An integral one-piece copper barrel/insulation grip and wire strain relief design provides improved physical strength characteristics over a multi-piece design
- The insulation is locked in place and will not move or twist off, thereby maintains proper dielectric values
- Manufactured from pure electrolytic copper to provide maximum conductivity, low resistance and ductility for excellent crimp forming properties
- Bright tin-plated per MIL-T-10727 for durable long-lasting resistance to corrosion
- Deep inner barrel serrations provides excellent electrical conductivity and tensile strength values
- Brazed seam gives a stronger barrel design to minimize any possible splitting and eliminates folding
- Smooth funnel entry for easy wire insertion
- Color coded terminals provides easy wire size identification and inspection
- Coded raised dots in the die area of the connection after compression for visual identification that the correct tool and die were used for proper installation
- Inspection hole gives an additional visual check to ensure proper wire insertion
- Ring tongue design provides a secure termination under screw head that cannot be removed without the complete removal of the screw
- Multiple terminals may be stacked on a common stud easily providing flexibility and versatility

Application

For Class 1E Critical Circuits And Non-Critical Nuclear Associated Applications

Specifications

Buy American Compliant	Contact Manufacturer
Certification - cULus	No
EU RoHS Indicator	Yes
Certification - UL Recognized	No
Buy America(n) Qualified	Contact Manufacturer
Certification - ETL	No
Standards - RoHS Compliance	CM
Status	
Certification - CSA Approved	No

UL Listed	No
Conductor	
Conductor - Copper Str Size	• 22 AWG • 20 AWG • 18 AWG
Conductor - Copper Solid Size	• 22 • 20 • 18 AWG
Conductor - Copper Solid Size Range	22 -18 AWG
Conductor Size	22 - 18 AWG
Conductor - Copper Str Size Range	22 AWG - 18 AWG
Conductor Type	• CU C Str-Size • CU C Solid-Size

Configuration

Physical Attribute - Number of Holes	1
Connector Type	Ring Terminal

Current

Voltage - Maximum	600 V
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Dimensions

Dimension - L Length Overall mm	19 mm
Dimension - Pad Width inch	0.23 in
Dimension - Hole Size fraction	3/20
Dimension - Hole Size inch	0.15 in
Dimension - Strip Length inch	7/32 in
Dimension - Stud Size inch	#6
Dimension - Z inch	0.20 in
Dimension - Bolt Size fraction	#6
Dimension - Length Overall inch	0.76 in

General

Insulation Type	Radiation Resistant
Trade Name	INSULUG™
Insulation	Y
Sub Brand	INSULUG
Color Code	Red

Physical Attribute - Tongue Type	Ring	UPC	781810810507
Plated	Y	Logistics	
Feature - Barrel Style	Belled	Minimum Pack Quantity	1000
Type	Radiation Resistant KYNAR	Carton Quantity	1000
	Ring Tongue	Pallet Quantity	99999
UPC 12 Digit	781810810507	Product Assets	
UPC 14 Digit GTIN	00781810810507	Catalog [English]	
Material	Copper		
Plating Type	Tin		

