



YAES18K50, Radiation Resistant Insulated Ring Terminal For 22 - 18 AWG

By Burndy
Catalog # [YAES18K50](#)



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

Package Length	0.000 in
Package Width	0.000 in
Package Weight	0.000 lb.
Dimension - L Length Overall mm	28 mm
Dimension - Pad Width inch	0.46 in
Package Height	0.000 in
Dimension - Hole Size fraction	10/37
Dimension - Hole Size inch	0.27 in
Dimension - Strip Length inch	7/32 in
Dimension - Stud Size inch	1/4
Dimension - Z inch	0.41 in
Dimension - Bolt Size fraction	1/4
Dimension - Length Overall inch	1.09 in

General

Insulation Type	Radiation Resistant
Trade Name	INSULUG™

Insulation	Y	Material	Copper
Sub Brand	INSULUG	Plating Type	Tin
Color Code	Red	UPC	781810027035
Physical Attribute - Tongue	Ring		
Type		Logistics	
Plated	Y	Minimum Pack Quantity	1000
Feature - Barrel Style	Belled	Carton Quantity	1000
Type	Radiation Resistant KYNAR	Pallet Quantity	99999
	Ring Tongue		
UPC 12 Digit	781810027035	Product Assets	
UPC 14 Digit GTIN	00781810027035	Catalog [English]	



A Hubbell brand