

YAES10K58, Radiation Resistant Insulated Ring Terminal For 12 - 10 AWG

By Burndy
Catalog # [YAES10K58](#)



Radiation Resistant Insulated Ring Terminal For 12 - 10 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

General

Catalog Number	YAES10K58
Color Code	Yellow
Connector Type	Ring Terminal
EU RoHS Indicator	Yes
Insulation	Y
Insulation Type	Radiation Resistant
Material	Copper
Physical Attribute - Number of Holes	1
Physical Attribute - Tongue Type	Ring
Plated	Y
Plating Type	Tin
Sub Brand	INSULUG
Trade Name	INSULUG™
Type	Radiation Resistant KYNAR Ring Tongue
UPC	781810027097
UPC 12 Digit	7818100270977

Dimensions

Dimension - Bolt Size fraction	1/2
Dimension - Hole Size fraction	13/25
Dimension - Hole Size inch	0.52 in
Dimension - L Length Overall mm	36 mm
Dimension - Length Overall inch	1.41 in
Dimension - Pad Width inch	0.72 in
Dimension - Strip Length inch	3/8 in
Dimension - Stud Size inch	1/2
Dimension - Z (inch)	0.45 in

Electrical Ratings

Voltage - Maximum	600 V
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Conductor Related

Conductor - Copper Solid Size	12 AWG;11 AWG;10 AWG
Conductor - Copper Solid Size	12 AWG-10 AWG
Range	
Conductor - Copper Str Size	12 AWG;10 AWG
Conductor - Copper Str Size	12 AWG-10 AWG
Range	
Conductor Size	12 - 10 AWG
Conductor Type	<ul style="list-style-type: none">• CU C Str-Size• CU C Solid-Size

Certifications And Compliance

Buy American Compliant	Yes
Certification - CSA Approved	No
Certification - ETL	No
Certification - UL Recognized	No
Certification - cULus	No
Industry Standard(s)	IEEE 323
Standards - Industry Standards	IEEE 323
Met	
Standards - RoHS Compliance	CM
Status	
UL Listed	No

Logistics

Carton Quantity	1000
Minimum Pack Quantity	1
Pallet Quantity	99999

Product Assets

[Catalogs - BURNDY Master Catalog - Full Line BURNDY Catalog](#)
[Catalogs - BURNDY Master Catalog - Section B - Small Compression](#)
[Customer Notices - Prop 65 Notice](#)
[Interactive Catalog - BURNDY Full-Line Digital Catalog](#)
[Product Cross Section Image\(s\) - BUR_YAES14K7_LineArt](#)
[Sales Drawings - 50094159](#)
[Specifications - YAES10K58](#)



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