



## YAES18K50

by Burndy  
Catalog ID: YAES18K50

Prop 65 Notice

Radiation Resistant High Temp. Ring Terminal, Pure Elect Cu, Smooth Funnel Entry, W/InspWindow, 18-22 AWG, 600 V, 1/4" Stud, Polyvinylidene Insul, Brazed Seam.

Features: The Type YAES-K, Radiation Resistant KYNAR Insulated Terminals Are Designed And Have Been Tested To Meet The Requirements For Class 1E Critical Circuits As Set By The Nuclear Regulatory Commission (NRC), Additional Testing For Compatibility Under Loss Of Coolant Accident (LOCA) Conditions With Cross-Link Polyethylene (XLP) And HYPALON Insulations Was Completed Successfully, Compatibility With Ethylene Propylene Rubber (EPR) Insulation Was Determined By Analysis, Each Terminal Is Manufactured Of Pure Electrolytic Copper Per QQ-C 576 And Bright Tin-Plated Per MIL-T-10727 And Meets Or Exceeds SAE-AS7928 Using Stranded Copper AWG Wire, The KYNAR Insulation Offers 200 Megarad Radiation Resistance, The Type YAES-K Radiation Resistant KYNAR - Insulated Terminals Are Suitable For Class 1E Critical Circuits And Non-Critical Nuclear Associated Applications, KYNAR 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 KYNAR Insulation Is Locked In Place: The Insulation Will Not Move Or Twist Off, Thereby Maintains Proper Dielectric Values, Manufactured From Pure Electrolytic Copper: Provides Maximum Conductivity, Low Resistance And Ductility For Excellent Crimp Forming Properties, Bright Tin-Plated Per Mil-T-10727: Provides Durable Long-Lasting Resistance To Corrosion, Smooth Funnel Entry: 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: Provides Visual Identification That The Correct Tool And Die Were Used For Proper Installation, Inspection Hole: Permits Visual Check For Proper Wire Insertion, Ring Tongue Design: Provides A Secure Termination Under Screw Head That Cannot Be Removed Without The Complete Removal Of The Screw

## Product Details

### General

Application	For Class 1E Critical Circuits And Non-Critical Nuclear Associated Applications
Color Code	Red
Connector Type	Terminal
Feature - Barrel Style	Belled
Insulation	Y
Insulation Type	Kynar
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	781810027035
UPC 12 Digit	7818100270355

## Dimensions

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

## Electrical Ratings

Voltage - Maximum	600 V
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## Conductor Related

Conductor - Copper Solid Size	22 ;20 ;18 AWG
Conductor - Copper Solid Size Range	22 -18 AWG
Conductor - Copper Str Size	22 AWG;20 AWG;18 AWG
Conductor - Copper Str Size Range	22 AWG-18 AWG
Conductor Type	<ul style="list-style-type: none"> <li>• CU C Str-Size</li> <li>• CU C Solid-Size</li> </ul>

## Certifications and Compliance

Certification - CSA Approved	No
Certification - ETL	No
Certification - UL Recognized	No
Certification - cULus	No
Standards - RoHS Compliance Status	CM
UL Listed	No

## Logistics

Minimum Pack Quantity	1000
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**For further technical assistance, please contact us**

### BURNDY Headquarters

47 East Industrial Park Drive  
Manchester, New Hampshire 03109

### Customer Service Hours:

8 AM - 8 PM Eastern Monday-Friday  
Emergency Service 24-hours/365 Days  
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