



Introducing SOLARLOK Grounding Bolt

These bolts are designed for solar module grounding applications using solid copper uninsulated 6 AWG to 12 AWG wire, or stranded copper uninsulated 6 AWG to 10 AWG (7 or 19 strands) wire. The grounding assembly consists of a wire bolt (wire slot on one end and threaded post on the other), wire binding hex nut, and mounting lock washer nut. The grounding assembly is used with metal-framed photovoltaic (solar) panels and related products that require grounding for safety reasons.



SOLARLOK Grounding Bolt



KEY FEATURES

- Rugged and compact hex bolt design made from stainless steel.
- Quick and easy mounting procedures.
- Bottom edge feature cuts through the anodized aluminum surface when securing the hex bolt to the module frame.
- Standard tooling can be used with the hex nuts.

TE Technical Support Center

Internet:	te.com/help
USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com/solar

© 2011 Tyco Electronics Corporation,
a TE Connectivity Ltd. company. All Rights Reserved.
8-1773454-6 CIS PDF 07/2011

SOLARLOK, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks. Other logos, product and/or company names might be trademarks of their respective owners.

APPLICATIONS

Solar panels and related photovoltaic products require grounding per the National Electric Code (NEC Article 690.34). These applications include, but are not limited to electrical grounding of solar modules and solar roof tiles.

ELECTRICAL

Short Term Current Test (UL 467) :

6 AWG = 1530A (6 seconds), 8 AWG = 1180A (4 seconds)
10 AWG = 750A (4 seconds), 12 AWG = 470A (4 seconds)

MECHANICAL

Secureness Test (UL 486A-B) :

6 AWG = 18 lbs (30 minutes), 8 AWG = 8 lbs (30 minutes)
10 AWG = 5lbs (30 minutes), 12 AWG = 5 lbs (30 minutes)

Pull out Test (UL 486A-B) :

6 AWG = 100 lbs (1 minute), 8 AWG = 90 lbs (1 minute)
10 AWG = 80 lbs (1 minute), 12 AWG = 70 lbs (1 minute)

APPLICABLE WIRE SIZES

Uninsulated Coper Wire

Wire Size	Solid	Stranded
6 AWG	Yes	7 or 19 strands
8 AWG	Yes	7 or 19 strands
10 AWG	Yes	7 or 19 strands
12 AWG	Yes	No

MATERIALS

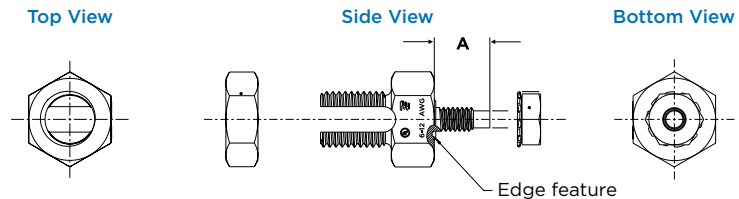
Connector and Hardware : Stainless Steel (Passivated)

PRODUCT OFFERING

PART NUMBER	THREAD	DIM "A"
2058729-1	#8-32 UNC	.380
2106831-1	#10-32 UNF	.700

APPLICATION TOOLING

Standard hex socket or wrenches with torque driver.



While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.