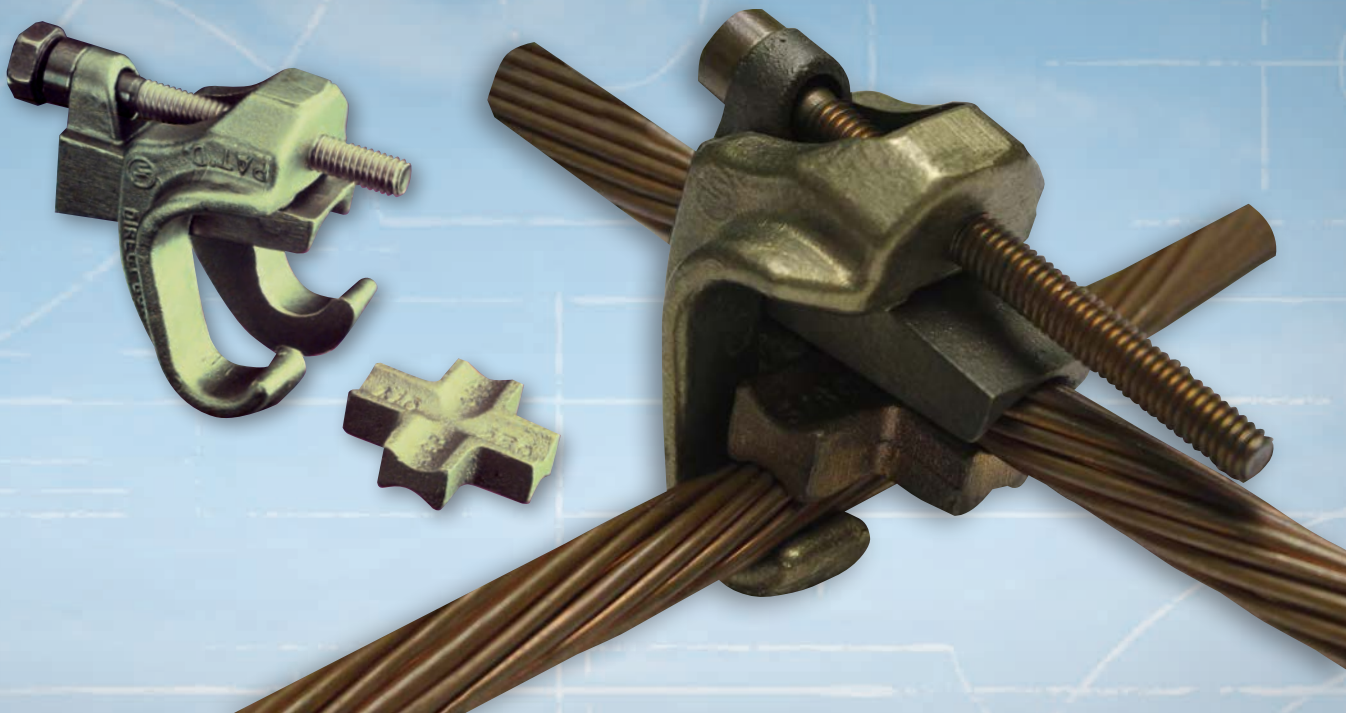




WRENCH-LOK

GROUNDING GRID CONNECTORS

KEY FEATURES

- Simple Installation in any weather conditions
- Visual confirmation of a quality connection
- Connects cable to cable and cable to ground rod
- No special tooling required
- Meets requirements of IEEE Std. 837 - IEEE Standard for Qualifying Permanent Connections Used in Substation Grounding

TE Connectivity's (TE) WRENCH-LOK electrical grounding connector system provides a superior, fool-proof connection while reducing application time dramatically.

The WRENCH-LOK connector system uses a specially designed shear-head bolt to drive a tapered wedge into the connector body. All that's needed to apply it is a common ratchet or socket wrench. When the connection is tightened to the proper torque, the bolt head shears off, giving a positive visual indication of a perfect connection. It's that simple and sure.

WRENCH-LOK connectors require no special training, no special tools, no auxiliary power, and they can be installed in any weather. The product line offers options to connect conductor-to-conductor or conductor-to-ground rod. There is no need to change connector styles, molds or tooling.

TE's WRENCH-LOK connectors enable rapid ground grid installation with superior results that are impervious to weather conditions during installation.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.


PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (mm)

Ground Rod-to-Conductor											
3/8		1/2		5/8		3/4					
Cu Clad Steel	Galv Steel	Cu Clad Steel	Galv Steel	Cu Clad Steel	Galv Steel	Cu Clad Steel	Galv Steel				
.355 (9.02)	.375 (9.52mm)	.475 (12.06)	.500 (12.70)	.563 (14.30)	.625 (15.88)	.682 (17.32)	.750 (19.05)	Conductor			
83747-2	83747-2	83747-4	83747-4	83749-1	83749-2	83749-3	83749-4	#2 sol, str, cmpt			
83747-3	83747-3	83749-1	83749-1	83749-2	83749-3	83749-4	83748-3	1/0 str, cmpt			
83747-4	83747-4	83749-2	83749-2	83749-3	83748-1	83748-3	83748-4	2/0 str, cmpt			
		83749-2	83749-3	83748-1	83748-2	83748-4	83751-1	3/0 str, cmpt			
		83748-1	83748-1	83748-2	83748-4	83751-1	83751-2	4/0 str, cmpt			
				83750-1	83748-4	83751-1	83751-2	250 cmpt			
				83750-1	83751-1	83751-2	83751-3	250 str			
					83751-1	83751-2	83751-3	300 cmpt			
					83751-2	83751-3	83751-4	300 str			
					83751-2	83751-3	83751-4	350 cmpt			
						83751-3	83750-2	350 str			
						83751-3	83751-4	400 cmpt			
							83750-3	500 str			
Conductor-to-Conductor (Standard Round)											
#2 sol, str, cmpt	1/0 str, cmpt	2/0 str, cmpt	3/0 str, cmpt	4/0 str, cmpt	250 str	300 str	350 str	400 str	450 str	500 str	Conductor
83747-1	83747-2	83747-2	83747-3	83747-4	83747-1	83749-2	83749-3	83749-4	83749-4	-	#2 sol, str, cmpt
	83747-3	83747-3	83747-4	83749-1	83749-2	83749-3	83748-1	83749-3	83749-3	83751-1	1/0 str, cmpt
		83747-4	83749-1	83749-2	83749-3	83748-1	83748-2	83748-3	83748-4	83751-1	2/0 str, cmpt
			83749-2	83749-3	83748-1	83748-2	83748-3	83748-4	83751-1	83751-2	3/0 str, cmpt
				83748-2	83748-2	83748-4	83751-1	83751-1	83751-2	83751-3	4/0 str, cmpt
					83750-1	83751-1	83751-2	83751-2	83751-3	83751-4	250 str
						83750-2	83751-2	83751-3	83751-4	83750-2	300 str
							83751-3	83751-4	83750-2	83750-3	350 str
								83750-2	83750-4	83750-5	400 str
									83750-5	83750-4	450 str
										83750-6	500 str
Conductor-to-Conductor (Standard Round)											
#2	1/0	2/0	3/0	4/0	250	300	350	400	450	500	Conductor
83747-1	83747-2	83747-2	83747-3	83747-4	83747-4	83749-1	83749-2	83749-3	83749-3	83749-4	#2
	83747-3	83747-3	83747-4	83749-1	83749-2	83749-2	83749-3	83749-1	83749-1	83749-3	1/0
		83747-4	83747-1	83749-2	83749-2	83749-3	83748-1	83748-2	83748-3	83748-4	2/0
			83749-2	83749-3	83748-1	83748-1	83748-2	83748-3	83748-4	83751-1	3/0
				83748-1	83748-2	83748-2	83748-4	83748-4	83751-1	83751-1	4/0
					83750-1	83750-1	83748-4	83751-1	83751-2	83751-2	250
						83750-1	83751-1	83751-1	83751-2	83751-3	300
							83751-2	83751-2	83751-3	83751-3	350
								83751-3	83751-4	83751-4	400
									83750-2	83750-2	450
										83750-3	500

Replacement Bolts Part Numbers
Small Body 81249-4
Large Body 81249-2



Listed by Underwriters Laboratories Inc., File No. E69905
REA
Meets Requirements of IEEE STD 837
Certified by Canadian Standards Association, File No. LR56476

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TECHNICAL DOCUMENTS

Department Publication 410-5812
Instruction Sheet 408-9504

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