



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	Conductor				
.355 (9.02)	.375 (9.52mm)	.475 (12.06)	.500 (12.70)	.563 (14.30)	.625 (15.88)	.682 (17.32)	.750 (19.05)					
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	83748-2	83748-3	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

TECHNICAL DOCUMENTS

Department Publication 410-5812
 Instruction Sheet 408-9504



Listed by Underwriters Laboratories Inc., File No. E69905
 REA
 Meets Requirements of IEEE STD 837
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