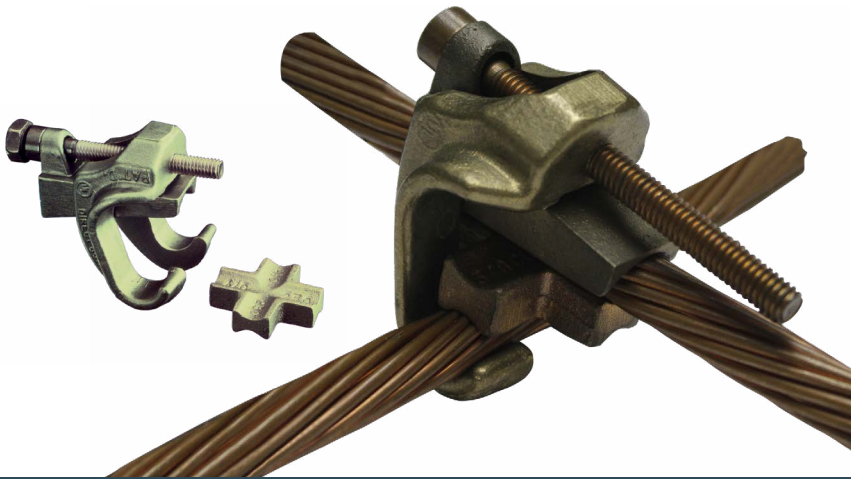


WRENCH-LOK

GROUNDING GRID CONNECTORS



CONNECTORS REQUIRE NO SPECIAL TRAINING, NO SPECIAL TOOLS, NO AUXILIARY POWER AND CAN BE INSTALLED IN ANY WEATHER.

APPLICATIONS

- Substations Solutions

RELEVANT STANDARDS AND TEST REPORTS

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

KEY FEATURES

- Simple Installation in any weather conditions
- Visual confirmation of a quality connection
- Connects cable-to-cable and cable-to-ground rod
- Easy to install - no special tooling required

TE Connectivity's (TE) WRENCH-LOK electrical grounding connectors system provides superior, fool-proof connections, while dramatically reducing the application time.

The WRENCH-LOK connectors system uses a specially designed shear-head bolt to drive a tapered wedge into the connector body which is applied using a common ratchet or socket wrench. When the connection is tightened to the required torque, the bolt head shears off, giving a positive visual indication of a perfect connection. It's that simple and secure.

The WRENCH-LOK connectors require no special training, no special tools, no auxiliary power, and can be installed in any weather. The product line includes options to connect conductor-to-conductor or conductor-to-ground rod. There is no need to change connector styles, molds or tooling. These connectors enable rapid ground grid installation with superior results that are impervious to weather conditions during installation.

WRENCH-LOK COPPER GROUNDING CONNECTOR SYSTEM SELECTION CHARTS

Ground Rod-to-Conductor

3/8		1/2		5/8		3/4		Conductor
Cu Clad Steel .355 (9.02)	Galv Steel .375 (9.52mm)	Cu Clad Steel .475 (12.06)	Galv Steel .500 (12.70)	Cu Clad Steel .563 (14.30)	Galv Steel .625 (15.88)	Cu Clad Steel .682 (17.32)	Galv Steel .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	1/0 str	2/0 str	3/0 str	4/0 str	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
	83747-3	83747-3	83747-4	83749-1	83749-2	83749-3	83748-1	83749-3	83749-3	83751-1	1/0 str
		83747-4	83749-1	83749-2	83749-3	83748-1	83748-2	83748-3	83748-4	83751-1	2/0 str
			83749-2	83749-3	83748-1	83748-2	83748-3	83748-4	83751-1	83751-2	3/0 str
				83748-2	83748-2	83748-4	83751-1	83751-1	83751-2	83751-3	4/0 str
					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 (Compact)

#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
 Conductors listed are stranded copper standard round



TECHNICAL DOCUMENTS

Instruction Sheet	408-9504
Test Report	502-47087 and 502-47189

Learn more: [TE.com/energy](https://www.te.com/energy)

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