

Compression Grounding

Figure 6 - 6 Grounding Grid

A

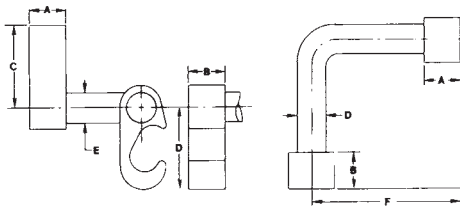
TYPE GGA

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Connector can be adjusted prior to installation
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90° C
- UL Listed and CSA Certified for grounding and bonding

Benefits

- Provides maximum conductivity. Suitable for direct burial.
- Provides easy identification and tooling recommendation
- Reduces inventory. Six sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Permits adjustments to be made for misaligned cross grids
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- Direct burial in earth or concrete



Catalog Number	Wire Range					Dimensions - in. (mm)					
	Cable to Cable		Cable to Ground Rod		Rebar	A	B	C	D	E	F
	Side A	Side B	Side A	Side B	Side B						
GGA-1	2str-6sol	2str-6sol	-	-	-	.750 (19.1)	.750 (19.1)	1.090 (27.7)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-2	250kcmil-1str	2str-6sol	1/2 - 5/8 Rod	2str-6sol	#3-4	.750 (19.1)	.750 (19.1)	1.660 (42.2)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-3	250kcmil-2str	250kcmil-2str	1/2 - 5/8 Rod	250kcmil-2str	#3-4	.750 (19.1)	.750 (19.1)	1.660 (42.2)	1.660 (42.2)	.500 (12.7)	2.500 (63.5)
GGA-4	500kcmil-250kcmil	2str-6sol	5/8 - 3/4 Rod	2str-6sol	#5-6	.750 (19.1)	.750 (19.1)	2.090 (53.1)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-5	500kcmil-250kcmil	250kcmil-2str	5/8 - 3/4 Rod	250kcmil-2str	#5-6	.750 (19.1)	.750 (19.1)	2.090 (53.1)	1.660 (42.2)	.500 (12.7)	2.500 (63.5)
GGA-6	500kcmil-250kcmil	500kcmil-250kcmil	5/8 - 3/4 Rod	500kcmil-250kcmil	#5-6	.750 (19.1)	.750 (19.1)	2.280 (57.9)	2.280 (57.9)	.750 (19.1)	2.500 (63.5)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

The GGA Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod. The GGA Series of compression connectors allow adjustment of each side of the connector prior to installation. The GGA Series of compression connectors are pre-filled with oxide inhibiting compound and are suitable for direct burial.

Notes:

1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGA connector. Use an indent type of die such as Burndy's U2CABT (Die Index #348).
3. Each side of the GGA Series may be rotated around the rod to any desired position before crimping.

* U2CABT is a registered trademark TM of Burndy/FCL

Catalog Number	ILSCO Installation Tooling	
	ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-15-H Die Index (No. of Crimps)	
	Side A	Side B
GGA-1	0 (1)	0 (1)
GGA-2	997 (1)	0 (1)
GGA-3	997 (1)	997 (1)
GGA-4	998 (1)	0 (1)
GGA-5	998 (1)	997 (1)
GGA-6	999 (1), 1011 (3)	999 (1), 1011 (3)

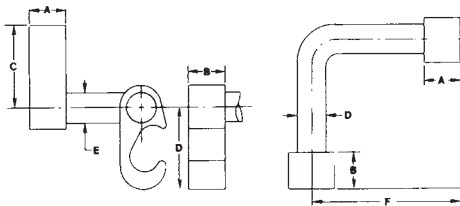
TYPE GGA

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Connector can be adjusted prior to installation
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90° C
- UL Listed and CSA Certified for grounding and bonding

Benefits

- Provides maximum conductivity. Suitable for direct burial.
- Provides easy identification and tooling recommendation
- Reduces inventory. Six sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Permits adjustments to be made for misaligned cross grids
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- Direct burial in earth or concrete



Catalog Number	Wire Range					Dimensions - in. (mm)					
	Cable to Cable		Cable to Ground Rod		Rebar	A	B	C	D	E	F
	Side A	Side B	Side A	Side B	Side B						
GGA-1	2str-6sol	2str-6sol	-	-	-	.750 (19.1)	.750 (19.1)	1.090 (27.7)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-2	250kcmil-1str	2str-6sol	1/2 - 5/8 Rod	2str-6sol	#3-4	.750 (19.1)	.750 (19.1)	1.660 (42.2)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-3	250kcmil-2str	250kcmil-2str	1/2 - 5/8 Rod	250kcmil-2str	#3-4	.750 (19.1)	.750 (19.1)	1.660 (42.2)	1.660 (42.2)	.500 (12.7)	2.500 (63.5)
GGA-4	500kcmil-250kcmil	2str-6sol	5/8 - 3/4 Rod	2str-6sol	#5-6	.750 (19.1)	.750 (19.1)	2.090 (53.1)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-5	500kcmil-250kcmil	250kcmil-2str	5/8 - 3/4 Rod	250kcmil-2str	#5-6	.750 (19.1)	.750 (19.1)	2.090 (53.1)	1.660 (42.2)	.500 (12.7)	2.500 (63.5)
GGA-6	500kcmil-250kcmil	500kcmil-250kcmil	5/8 - 3/4 Rod	500kcmil-250kcmil	#5-6	.750 (19.1)	.750 (19.1)	2.280 (57.9)	2.280 (57.9)	.750 (19.1)	2.500 (63.5)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

The GGA Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod. The GGA Series of compression connectors allow adjustment of each side of the connector prior to installation. The GGA Series of compression connectors are pre-filled with oxide inhibiting compound and are suitable for direct burial.

Notes:

1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGA connector. Use an indent type of die such as Burndy's U2CABT (Die Index #348).
3. Each side of the GGA Series may be rotated around the rod to any desired position before crimping.

* U2CABT is a registered trademark TM of Burndy/FCL

Catalog Number	ILSCO Installation Tooling	
	ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-15-H Die Index (No. of Crimps)	
	Side A	Side B
GGA-1	0 (1)	0 (1)
GGA-2	997 (1)	0 (1)
GGA-3	997 (1)	997 (1)
GGA-4	998 (1)	0 (1)
GGA-5	998 (1)	997 (1)
GGA-6	999 (1), 1011 (3)	999 (1), 1011 (3)

Compression Grounding

Figure 6 - 6 Grounding Grid

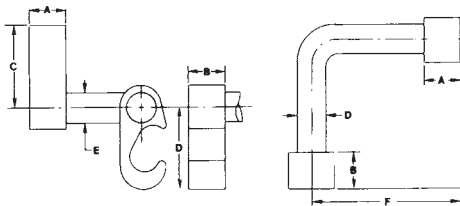
TYPE GGA

Features

- Manufactured from high strength copper alloy
- Clearly marked with wire size and die index
- Range taking
- Connector can be adjusted prior to installation
- Non-hazardous installation
- Prefilled with DE-OX® oxide inhibiting compound
- Temperature Rating 90° C
- UL Listed and CSA Certified for grounding and bonding

Benefits

- Provides maximum conductivity. Suitable for direct burial.
- Provides easy identification and tooling recommendation
- Reduces inventory. Six sizes cover a wire range from 500kcmil to #6, and 1/2" to 3/4" ground rods.
- Permits adjustments to be made for misaligned cross grids
- Can be installed in all types of weather with no need for protective equipment or clothing. Does not produce heat or dangerous particles.
- Prevents oxides from forming
- Ensures reliability
- Direct burial in earth or concrete



Catalog Number	Wire Range					Dimensions - in. (mm)					
	Cable to Cable		Cable to Ground Rod		Rebar	A	B	C	D	E	F
	Side A	Side B	Side A	Side B	Side B						
GGA-1	2str-6sol	2str-6sol	-	-	-	.750 (19.1)	.750 (19.1)	1.090 (27.7)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-2	250kcmil-1str	2str-6sol	1/2 - 5/8 Rod	2str-6sol	#3-4	.750 (19.1)	.750 (19.1)	1.660 (42.2)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-3	250kcmil-2str	250kcmil-2str	1/2 - 5/8 Rod	250kcmil-2str	#3-4	.750 (19.1)	.750 (19.1)	1.660 (42.2)	1.660 (42.2)	.500 (12.7)	2.500 (63.5)
GGA-4	500kcmil-250kcmil	2str-6sol	5/8 - 3/4 Rod	2str-6sol	#5-6	.750 (19.1)	.750 (19.1)	2.090 (53.1)	1.090 (27.7)	.313 (8.0)	2.500 (63.5)
GGA-5	500kcmil-250kcmil	250kcmil-2str	5/8 - 3/4 Rod	250kcmil-2str	#5-6	.750 (19.1)	.750 (19.1)	2.090 (53.1)	1.660 (42.2)	.500 (12.7)	2.500 (63.5)
GGA-6	500kcmil-250kcmil	500kcmil-250kcmil	5/8 - 3/4 Rod	500kcmil-250kcmil	#5-6	.750 (19.1)	.750 (19.1)	2.280 (57.9)	2.280 (57.9)	.750 (19.1)	2.500 (63.5)

All wire sizes, unless noted otherwise, are American Wire Gauge (AWG)

Tested to UL 467, UL File E34440

The GGA Series compression ground grid cross connector can be used to connect a copper ground grid system together or to connect a copper ground grid system to a copper clad ground rod. The GGA Series of compression connectors allow adjustment of each side of the connector prior to installation. The GGA Series of compression connectors are pre-filled with oxide inhibiting compound and are suitable for direct burial.

Notes:

1. ILSCO ILC-12 or ILC-15 Series Tools and ILD Series Dies may be used. Note: Adapter required when using ILC-15 Series Tool. Burndy tools and dies may also be used.
2. Perform a "pre-crimp" on ground rod prior to installing GGA connector. Use an indent type of die such as Burndy's U2CABT (Die Index #348).
3. Each side of the GGA Series may be rotated around the rod to any desired position before crimping.

* U2CABT is a registered trademark TM of Burndy/FCL

Catalog Number	ILSCO Installation Tooling	
	ILC-12-N, ILC-12H-N, ILCB-12-N, ILC-15-H Die Index (No. of Crimps)	
	Side A	Side B
GGA-1	0 (1)	0 (1)
GGA-2	997 (1)	0 (1)
GGA-3	997 (1)	997 (1)
GGA-4	998 (1)	0 (1)
GGA-5	998 (1)	997 (1)
GGA-6	999 (1), 1011 (3)	999 (1), 1011 (3)