

Liebert ACG Series

*AccuGuide High-Performance Interconnect Assemblies For
Systems With Parallel Surge Protection Devices*



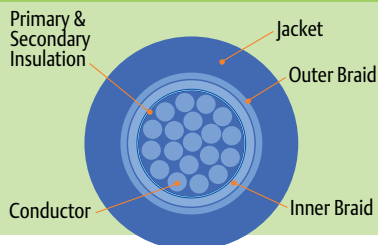
Interconnect made of conventional wire in conduit distributes line power, but reduces the performance of surge suppressors. The patented Liebert ACG Series (AccuGuide) interconnect allows you to get the most from your SPD by significantly reducing clamping voltages.

Liebert ACG Series interconnect assemblies can maximize performance by transmitting transients generated by lightning and switching with minimal voltage drops. Each Liebert ACG Series unit is an assembly of patented coaxial cables. (One AccuGuide coaxial cable is required for each protected mode.) Each cable minimizes inductance (through reduced coaxial aspect ratios), and features an extremely low impedance (2-10) unattainable in conventional interconnect. As a result, the assembly delivers practically the entire surge to the Surge Protection Device (SPD). Clamping voltages are greatly reduced and system performance is improved.

Liebert ACG Series is designed to aid any installation. This accessory is especially valuable in cases where the SPD cannot be installed close to the point of protection (greater than five feet). In conventional interconnect, voltage loss increases with length — in excess of 16V/ft/kA for an ANSI/IEEE, C62.41 combinations wave. In contrast, Liebert ACG Series AccuGuide losses are under 4.2V/ft/kA for an improvement of 400%.



AccuGuide Coax Construction



Ordering Information:

AccuGuide cable assemblies are available in several standard lengths for any service configuration with up to seven modes of protection. The conductor gauge is configured to accommodate the system.

How To Order Liebert ACG Series

Voltage configuration:

Wye (Y), Delta (D), Split Phase (S)

Modes of protection:

111-All modes for Y system
110-line to line, line to ground
101-line to neutral, neutral to ground

Liebert AccuGuide lengths:

5 feet 8 feet 10 feet 12 feet 15 feet 20 feet

Pigtail gauge:

No. 6 AWG No. 8 AWG No. 10 AWG

Note: 5 feet of pigtail length will be provided on each side of the Liebert AccuGuide assembly. Please specify pigtail gauge (conduit nipple to SPD connection/conduit nipple to power source connection).

How to construct a Liebert ACG Series (AccuGuide) model

	Code
1. Liebert AccuGuide	ACG
2. Voltage configuration	Y
3. Mode of protection	111
4. Liebert AccuGuide length: 8 feet	08
5. Pigtail gauge: No. 8 AWG	08

Sample model #: ACGY1110808

Required conduit size: 1/2" to 2"

General Specifications

Voltage (VAC)	0 to 600
Operating frequency (Hz)	0 to 400
Altitude (m)	18,000 feet
Operating temperature (°C)	-40 to +90
Operating humidity (%)	0 to 95 (non-condensing)
Flame resistance	VW-1
DC resistance (mΩ/ft/mode)	≤ 1.3
Warranty	5-years
Safety agency approval	UL Listed Wire Assembly Kit
Patent number	5,384,429

While every precaution has been taken to ensure accuracy and completeness in this literature, Liebert Corporation assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.

© 2010 Liebert Corporation. All rights reserved throughout the world. Specifications subject to change without notice.

All names referred to are trademarks or registered trademarks of their respective owners.

® Liebert is a registered trademark of the Liebert Corporation.

SL-22070 (R01/10) Printed in USA

Emerson Network Power.

The global leader in enabling *Business-Critical Continuity™*.

- AC Power
- Connectivity
- DC Power
- Embedded Computing
- Embedded Power
- Monitoring
- Outside Plant
- Power Switching & Controls
- Precision Cooling
- Racks & Integrated Cabinets
- Services
- **Surge Protection**

Business-Critical Continuity, Emerson Network Power and the Emerson Network Power logo are trademarks and service marks of Emerson Electric Co. ©2010 Emerson Electric Co.