

CG-390-CBxxx 100-Pair Connectors

An Evolant™ Solutions Product

Corning
Cable Systems

Description

The CG-390-CBxxx is part of Corning Cable Systems' family of 303 series connectors. It is designed to increase protector module access while maintaining high density, with the 303-type (3 and 4 type) modules arranged in a 5 x 20 configuration.

This connector terminates 100 outside plant pairs and provides voltage or voltage and current protection for central office wiring and equipment.

The unique angled design of the CG-390-CBxxx connector provides full visibility to every protector unit. This makes it easy to locate, remove and replace protector units, even in low light areas. The CG-390-CBxxx uses gold-plated protector unit receptacles.

A full range of 303-type protector units is available for the CG-390-CBxxx with gold-plated pins, including Corning Cable Systems' Solid-State Overvoltage Protector (SSOVP) units.



CG-390-CBxxx 100-Pair Connector | Photo CCO-81

Features / Benefits

Front-Access Test Field

- Gold-plated test contacts
- Angled front test field for maximum accessibility
- Accepts standard 303-type test shoes

Front-Facing Cross-Connect (Jumper) Field

- Vertically-aligned in groups of five
- Binder groups and pairs are easy to identify
- Wire-wrap terminations
- Slotted front and solid rear fanning strips to facilitate jumper wire separation and routing; also available with slotted rear-facing strip

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Features / Benefits

Improved Terminating Density

- Compact design provides excellent density on conventional distributing frames without sacrificing work space

Clear Intervertical Space

- For easy cross-connect (jumper) running

Clearly Marked Designations

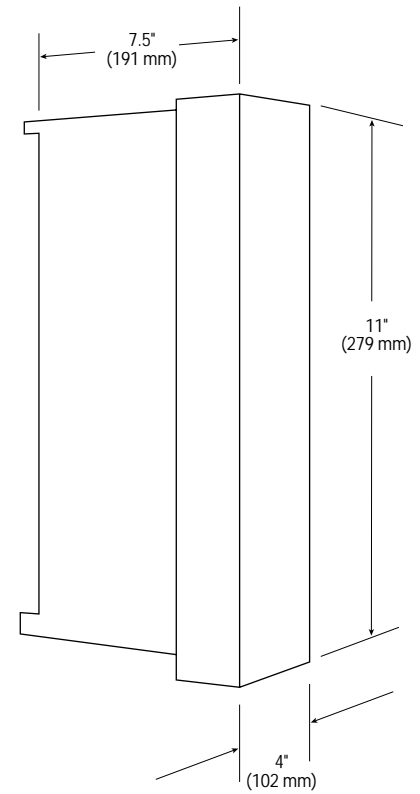
- Improved marking of the cross-connect (jumper) field, test field and fanning strips allows quick pair identification

Protection Ground

- Convenient frame, independent or isolated ground

Stub

- Available with or without stub
- Stub cable may be 22 or 24 AWG
- Locking swivel stub; direction can be easily changed at installation
- Temporary field stubbing brackets provided with stubless connectors to simplify field stubbing



CG-390-CBxxx | Drawing ZA-1201

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Specifications

Plastic Materials	Main body: polycarbonate, ivory, UL 94V-0
Metal Parts	Mounting Hardware: steel-, cadmium-, or zinc-plated Current-Carrying Components: copper or copper alloys, tin-plated

Cable Stub

Description	22 or 24 AWG 100-pair Unbonded PVC jacket Stub up or stub down
Pressure	Unpressurized
Termination	Wire-wrap (outside plant cable side)
Grounding	#10 AWG cable ground (drain wire) to mounting bracket
Resistance	< 5 Mohms (from cable shield bond to connector ground reference)

Cross-Connect (Jumper) Connections

Termination	Wire-wrap
Contact Resistance	< 2 Mohms
Dielectric Strength	> 1500 VDC and > 1000 VAC @ 50-60 Hz for two minutes
Insulation Resistance	> 30 Mohms @ 1000 VDC
Environmental Conditions	Operating environment with temperature ranging from 32°F (0°C) to 122°F (50°C) up to 95% R.H.
Temperature Characteristics	High Temperature: 140°F (60°C) without deformation

Frame Vertical Capacities

Height - ft (m)	Pairs
7.0 (2.13)	600
8.0 (2.44)	700
9.0 (2.74)	800
11.5 (3.51)	1100
14.5 (4.27)	1400

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Ordering Information

Part Number	Description
Stubbed with 24-Gauge Cable	
390 Type, Gold with Angle Mounting Bracket, Wire-Wrap Pins	
390-CB000	390 Connector, 100-Pr Gold, Angle-Mount Stubless, Single Wire-Wrap pins
390-CB103	390 Connector, 100-Pr Gold, Angle-Mount 24-Ga. Stub, 30 ft long, Single Wire-Wrap pins
390-CB105	390 Connector, 100-Pr Gold, Angle-Mount 24-Ga. Stub, 50 ft long, Single Wire-Wrap pins
390-CB108	390 Connector, 100-Pr Gold, Angle-Mount 24-Ga. Stub, 80 ft long, Single Wire-Wrap pins
390-CB110	390 Connector, 100-Pr Gold, Angle-Mount 24-Ga. Stub, 100 ft long, Single Wire-Wrap pins
390-CB115	390 Connector, 100-Pr Gold, Angle-Mount 24-Ga. Stub, 150 ft long, Single Wire-Wrap pins
390-CB120	390 Connector, 100-Pr Gold, Angle-Mount 24-Ga. Stub, 200 ft long, Single Wire-Wrap pins

Stubbed with 22- Gauge Cable

390 Type, Gold with Angle Mounting Bracket, Wire-Wrap Pins	
390-CB203	390 Connector, 100-Pr Gold, Angle-Mount 22-Ga. Stub, 30 ft long, Single Wire-Wrap pins
390-CB205	390 Connector, 100-Pr Gold, Angle-Mount 22-Ga. Stub, 50 ft long, Single Wire-Wrap pins
390-CB208	390 Connector, 100-Pr Gold, Angle-Mount 22-Ga. Stub, 80 ft long, Single Wire-Wrap pins
390-CB210	390 Connector, 100-Pr Gold, Angle-Mount 22-Ga. Stub, 100 ft long, Single Wire-Wrap pins
390-CB215	390 Connector, 100-Pr Gold, Angle-Mount 22-Ga. Stub, 150 ft long, Single Wire-Wrap pins
390-CB220	390 Connector, 100-Pr Gold, Angle-Mount 22-Ga. Stub, 200 ft long, Single Wire-Wrap pins

Accessories

A full range of protector modules, mounting bar assemblies, testing connector, and cords and accessories are available for the CG-390-CBxxx connector. For more information contact Corning Cable Systems Customer Service at 1-800-743-2671.

Shipping Information

Standard Pack	Size in (cm)	Weight lb (kg)
Stubless	< 100 Stub 31 x 31 x 6 (79 x 79 x 15)	5.2 (2.4)
1	< 100 Stub 31 x 31 x 6 (79 x 79 x 15)	22 to 81 (10 to 37)
1	> 100 Stub 31 x 31 x 12 (79 x 79 x 30)	Add 5 to 7 for every 10 ft (2.3 to 3.2 for every 3.1 m)



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