

G2™ Series

2-Piece Trunk and Distribution Connectors Product Information

CORNING
Discovering Beyond Imagination

Broadband
Products

Connector Specifications

Bandwidth:
5 MHz to 1 GHz

Operating Range:
-40°F to +140°F

Nominal Impedance:
75 ohms

Shielding Effectiveness:
> 130 dB

Return Loss:
> 30 dB @ 1 GHz

Insertion Loss:
< 0.12 dB (pin types)

Cable Retention: Exceeds
cable manufacturers'
maximum pulling
tension specifications

Corning Gilbert introduces the next generation in 2-piece connector technology, with patented design features that provide clear performance advantages over traditional two piece connectors.

Only the G2 Series gives installers a full view of the cable's center conductor insertion into the connector seizing mechanism, eliminating traditional blind entry installations. A unique center conductor seizing system prevents actuator lockup and preserves connector reusability. With the patented support sleeve located in the back nut of the connector, cable kinking typically associated with 2-piece connector installation.



Materials and Construction of Connector Components:

ASTM 6262 aluminum alloy with gold chromate conversion coating for excellent corrosion resistance and a dry film lubricant to prevent thread galling.

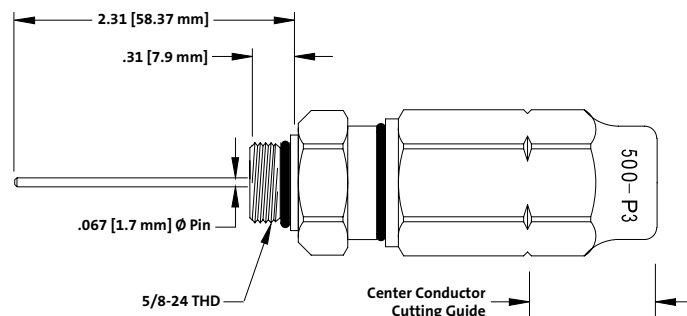
Contact pins and support sleeves are brass with bright acid tin plating providing excellent RF conductivity.

O-rings are ultraviolet and ozone resistant EPDM for maximum durability.

Product Features

- Support sleeve located in main nut assembly reduces “pull back” during installation
- Back nut radius allows smooth transition of heat shrink tubing
- Visible entry of center conductor into seizing mechanism (no blind entry)
- Unique actuator closing mechanism preserves reusability
- Flush insulator prevents moisture from collecting or migrating along the path
- Non-rotational design for installation and disassembly

Ordering Information



¹Connector Types:

CH	Pin Connector
SP	Splice Connector
EXT	3" Extension Connector
EXT-6	6" Extension Connector
BAFF	"F" Female Connector
AFM	"F" Male Connector
TR	Cable Terminator

Pin length is standard 2.31"

Example Part Number:

G2-500-CH-P3-T

Pin Connector with a 2.31" pin for .500 P3/T10 cable

CommScope P-3

Times Fiber T-10	Part Number
.500	G2-500- TYPE¹ -P3-T
.625	G2-625- TYPE¹ -P3-T
.750	G2-750- TYPE¹ -P3-T
.875	G2-875- TYPE¹ -P3-T

CommScope QR

.540	G2-540- TYPE¹ -QR-T
.715	G2-715- TYPE¹ -QR-T
.860	G2-860- TYPE¹ -QR-T

Times Fiber TX	Part Number
.480	G2- 480- TYPE¹ -TX-T
.565	G2-565- TYPE¹ -TX-T
.700	G2-700- TYPE¹ -TX-T

Trilogy MC²

.500	G2-500- TYPE¹ -MC ² -T
.650	G2-650- TYPE¹ -MC ² -T
.750	G2-750- TYPE¹ -MC ² -T

CommScope P-1

.500	G2-500- TYPE¹ -P1-T
.750	G2-500- TYPE¹ -P1-T

Corning Gilbert Inc.
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5310 W. Camelback Rd.
Glendale, AZ 85301 U.S.A.

phone: 800 528 5567 (U.S. and Canada)
(01) 623 245 1050 (International)

fax: 800 344 6358
623 931 0684
(01) 623 939 3538

website: www.corning.com/corninggilbert
e-mail: info-gilbert@corning.com