



We've taken DOCSIS 3.1 to another level.

Discover our new two-piece hardline GCC series connectors.

Business Challenge

In today's networks, it's critical to combine the ability to meet customer demand for ever-increasing bandwidth with the ease of use and reliability you need.

Solution

Our new two-piece hardline GCC series connectors not only offer several improvements over our previous G2® series connectors, but they also outperform competitive connectors for bandwidth, return loss, and average shielding.

Features and Benefits

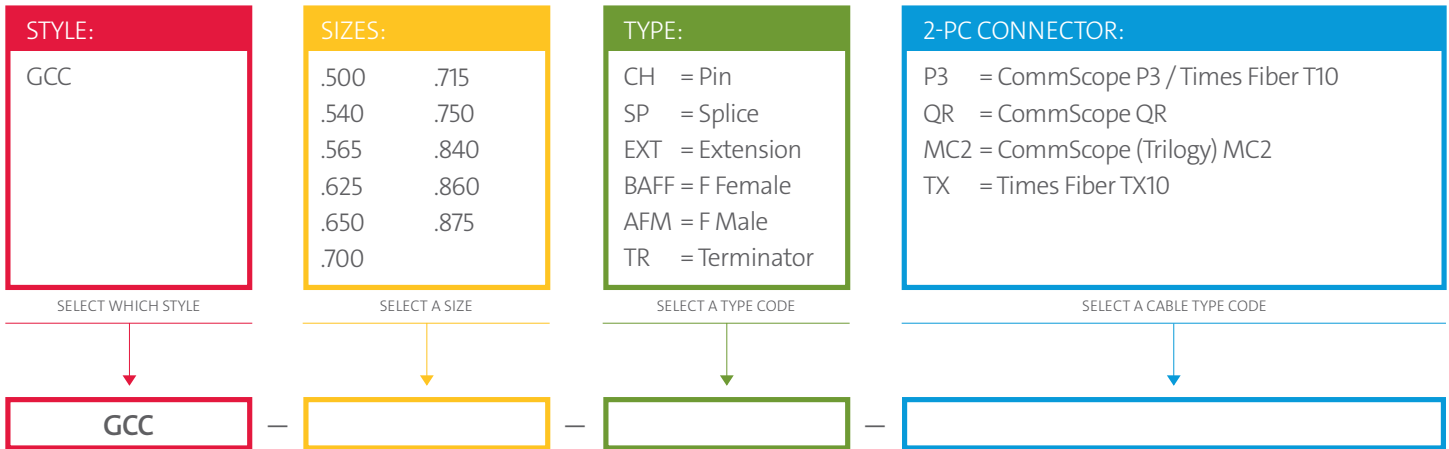
- Capitalizes on robust GRS™ design with shared platform
- Shares GRS insulator for improved center conductor retention
- Improved return-loss performance
- Simplified installation with positive stop design
- Uses standardized tooling and cable preparation – no change to customer installation process
- DOCSIS 3.1 ready
- All GCC connectors are RoHS compliant
- Improved mechanical advantage with single-lead threads

See the Difference Corning Makes

	Corning*					Competitive*	
Impedance	75 Ohm (nominal)					75 Ohm (nominal)	
Bandwidth	0 to 3,000 MHz					0 MHz to 1 GHz	
AC current (continuous)	20A maximum					20A maximum	
Operating temperature	-40°C to 60°C (-40°F to 140°F)					-40°C to 60°C (-40°F to 140°F)	
Surge rating	6 kV					6 kV	
	860 MHz	1,000 MHz	1,218 MHz	1,784 MHz	3,000 MHz	500 MHz	1 GHz
Return loss (dB)	39	43	44	38	25	30 to 1 GHz (minimum)	30 to 1 GHz (minimum)
Insertion loss (dB)	0.09	0.11	0.11	0.15	0.2	0.05	0.1
Average shielding (dB)	129	126	127	127	127	120	120

*Meets or exceeds all SCTE specifications

Part Number Configurator



Physical Specs

Bodies

- Aerospace-grade 6000 series aluminum alloy
- Corrosion-resistant silver chromate finish

Center Conductors

- Tin-plated C36000 brass alloy for excellent conductivity

Insulators

- Molded or machined acetal or polyetherimide for high-stress applications
- Polytetrafluoroethylene (PTFE) for non-stressed applications
- EPDM O-rings for superior UV and ozone resistance

Corning also offers hardline adapters that are utilized in hybrid fiber-coaxial (HFC) networks, such as 90-degree adapter, 180-degree adapters, extensions, in-line splices and port terminals.



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