

Corning® Cabelcon® Trunk Connectors for HFC, Satellite, and Broadcast Applications

Corning® Cabelcon® trunk connectors have been used by leading cable operators around the globe for more than 30 years. Combining our experience with enhanced functionality, the True Lock connectors are designed to match the most critical requirements of coax customers in the trunk and distribution segments of the network. The connector offers increased ease of use, a reduced risk of intermodulation, and the industry's first true locking mechanism that prevents the cable from turning when tightening the back nut.

Designed in Denmark, True Lock connectors include the following features:

1 Multislot ferrule enables:

- Correct pressure when tightening connector
- Reduced risk of intermodulation distortion (IMD) due to uniform grip on outer conductor
- Improved electrical performance
- Prevention of cable from turning during installation

2 True Lock connector activator system with multigrip, end-point center seizing system ensures:

- Long-term connectivity and reliability
- Uniform grip on inner conductor
- Reduced risk of IMD


3 Easier installation due to:

- Reduced tightening torque
- Connector back nut with integrated strip guide
- Special wide HEX providing space for wrenches

DOCSIS 3.1 READY

Unique connector design provides outstanding performance to 3 GHz for intermodulation, shielding, return loss, and reliability (environmental and temperature, easy installation, low tightening torque)

*Corning Cabelcon True Lock Connectors for 75 Ohm

Interface Type	Splice Connector & Reducer	IEC-14 Connector	3.5/12 Connector	F Connector	5/8 Male Pin Connector (with or without swivel nut)
					
Return Loss @ 1.0 GHz	< -30 dB	< -25 dB	< -35 dB	< -30 dB	< -30 dB
Return Loss @ 2.0 GHz	< -20 dB	< -25 dB	< -30 dB	< -30 dB	< -28 dB
Insertion Loss @ 1.0 GHz	< -0.10 dB	< -0.20 dB	< -0.08 dB	< -0.10 dB	< -0.10 dB
Insertion Loss @ 2.0 GHz	< -0.10 dB	< -0.20 dB	< -0.08 dB	< -0.10 dB	< -0.10 dB
Amp Rating @ 20°C Increase	21A	Female 10A/ Male 12A	Female 18A/ Male 21A	7A	21A
Uses Existing Tools and Methods (standard strip, coring tools, and wrenches)					
Tested to 3 GHz					
Transfer Impedance and Shielding A++					
Sealing IPX8, 30 m water for 8 hours	Yes	Yes	Yes	Yes	Yes
Operation/Storing Temperature -40°C to +85°C					
Installation Temperature -5°C to +50°C					
Pull Strength Better than Cable Specification					
Third order IMD @ 2x + 37 dBm < -130 dBc					

*General connector performance may change depending on cable type

Corning Cabelcon connectors can be installed on the majority of standard trunk cables.

Do you have questions about which connector will fit your specific cable? Our easy-to-use configurator can help!
www.corning.com/coax

Corning® Cabelcon® Drop Connectors for HFC, Satellite, and Broadcast Applications

Created with excellent specifications to perform under the toughest market demands, our drop connectors have been used by leading cable operators around the globe for more than 30 years. Designed in Denmark, they combine high performance and reliability with the following features that enable fast and easy installation and improve performance.

- Integrated seals enable safe, outdoor use
- Corning® Cabelcon's® unique Nitin-6™ plating to provide resistance to environmental influences
- One-piece connector with no loose parts makes installation easy
- Uses one all-size tool to compress all interfaces (F, IEC, BNC) across all standard cable sizes (from Mini to RG11)
- Tensile strength exceeds cable specifications
- Successfully tested to 3 GHz

DOCSIS 3.1 READY

Unique connector design provides outstanding performance to 3 GHz for intermodulation, shielding, return loss, and reliability (environmental and temperature, easy installation)

††Corning Cabelcon Drop Connectors for 75 Ohm

	F-56 4.9 Self-Install Nitin-6	F-56 5.1 Self-Install with Nitin-6 with O-Ring	F-56-CX3 5.1	F-56-CX3 7.0 QuickMount™ (QM)
				
	Self-Install Indoor	Self-Install Outdoor	CX3 Standard Compression Connector	QM Compression Connector
Transfer Impedance	Class A++			
Shielding 0.3-3.0 GHz	Class A++			
Estimated Installation Time Needed	Standard without tool		Standard	Quick and clean*
Cable Types	RG59/RG6		Most legacy drop cables	Most legacy drop cables and most PE jacketed†
Return Loss @ 2.0 GHz	< -35 dB			< -32 dB
IMD IP3-Value	< -80 dBm			< -90 dBm
Water IP Rating	N/A	IPX8 1 m/24 hours*	IPX8 10 m/8 hours	
Tool				
			NEW: Wall Box Compression Tool and Wall Box Stripper Available	
Interfaces	RG-6, RG-59, and Mini Cables	Female		Female + Female with PIN + IEC + BNC
	For RG-11	N/A		Female + Male + IEC 14M + BNCM + 3.5/12 + 5/8

*QM – No need to touch/fold braid back †QM connector is designed to work for more than one cable size ††General connector performance may change depending on cable type

Corning Cabelcon connectors can be installed on the majority of standard drop cables.

Do you have questions about which connector will fit your specific cable? Our easy-to-use configurator can help!

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