

RF Connectors

For Heliax® and Annular Cables



CORNING
Discovering Beyond Imagination

Corning
Cabelcon

Wireless

General Specifications

Characteristic Impedance
50 Ohm

Frequency Range
1/4" - 7/8" connectors:
DC - 5.00 GHz
1 1/4" - 1 5/8" connectors:
DC - 2.80 GHz

VSWR
1.036 up to 2.5 GHz
(RL -35 dB)

3rd Order IM Products
(2 x 20 Watt / 1.8 GHz)
-120 dBm (-163 dBc)

Shielding Effectiveness
> -110 dB @1 GHz

Pull Strength
Cable limit

Operational Temperatures
°C: From -40° to +85°
°F: From - 40° to +185°

Water Immersion
Passed the IP68 test
(25 m of water pressure)

Plating
Body: NITIN-6™
Inner conductor: Silver

Developed for Digital Cellular Systems

Corning RF Connectors are developed for multi channel digital cellular applications such as GSM, TETRA, G3 and CDMA systems.

Straight Forward Installation

This unique design allows installation with the majority of standard tools and procedures available in the market. Our patented DualStrip™ preparation tool and our user friendly installation system allow installation in seconds. No use of torque wrenches, no soldering, no loose parts and no complicated instructions.

Environmental Security

Corning RF Connectors are designed to operate under harsh climatic conditions with excellent overall performance. The Nitin-6™ plating ensures the finest protection against any kind of corrosion. The connectors are tested to be watertight to at least 25 meters of water pressure without additional sealing.

Corning RF Connectors are available in all 7/16 DIN and N - male and female combinations.

Description	Item no.	Type	DualStrip™ Tool no.
7/16 Male for 1/2" Heliax® cable	50031710	317	28031750
7/16 Female for 1/2" Heliax® cable	52031710	317	28031750
7/16 Male for 1/2" annular cable	50051206	512	28051250
7/16 Female for 1/2" annular cable	52051206	512	28051250
7/16 Male for 7/8" annular cable	50087701	877	28087750
7/16 Female for 7/8" annular cable	52087701	877	28087750
7/16 Male for 1-1/4" annular cable	50091901	919	28091950
7/16 Female for 1-1/4" annular cable	52091901	919	28091950
7/16 Male for 1-5/8" annular cable	50095901	959	28095950
7/16 Female for 1-5/8" annular cable	52095901	959	28095950

Heliax® is a registered trademark of Andrew Wireless Solutions



7/16 Male for 1/2" Heliax Cable



7/16 Female for 7/8" Annular Cable



7/16 Female for 1 5/8" Annular Cable

Corning Cabelcon ApS
Industriparken 10
DK-4760 Vordingborg
Phone +45 55 98 55 99
Fax +45 55 98 55 04
cabelcon@cabelcon.dk
www.cabelcon.dk

Corning Gilbert Inc.
5310 W. Camelback Rd.
Glendale, AZ 85301 U.S.A.
Phone 800 528 5567
Fax 800 344 6358
info-gilbert@corning.com
www.corning.com/corninggilbert

Distributor: