CORNING

Cabelcon® RF Solutions Catalogue
for HFC, Satellite, and Wireless

Version 2018

Contents

Why Corning?

For more than 160 years, we have applied our unparalleled expertise in specialty glass, ceramics, and optical physics to develop products that create new industries and transform people's lives. Our products have been used in the communications networks of companies across the globe, both big and small.

There is no one more qualified to connect your network. In this guide, you'll find product information, tools, and resources to help you do the job right the first time.

Corning Optical Communications ApS

Cabelcon® RF Connector Brand
On-Site Technology and Plating Capabilities

In our Denmark facility, you'll find unsurpassed technology and plating capabilities. Our procedures and techniques, which exist to make sure you receive reliable products for every installation, include:

- RF and electrical characterisation including return and insertion loss, transfer impedance, and passive intermodulation
- Mechanical testing such as pull strength and durability
- Environmental tests from temperature cycling to corrosion and ultraviolet exposure

Additionally, we are the only connector manufacturer with Nitin-6™ plating capabilities in-house. Almost 30 years ago, we were first to use NiTin plating, and it has now been adopted across the industry. This plating technique offers many advantages:
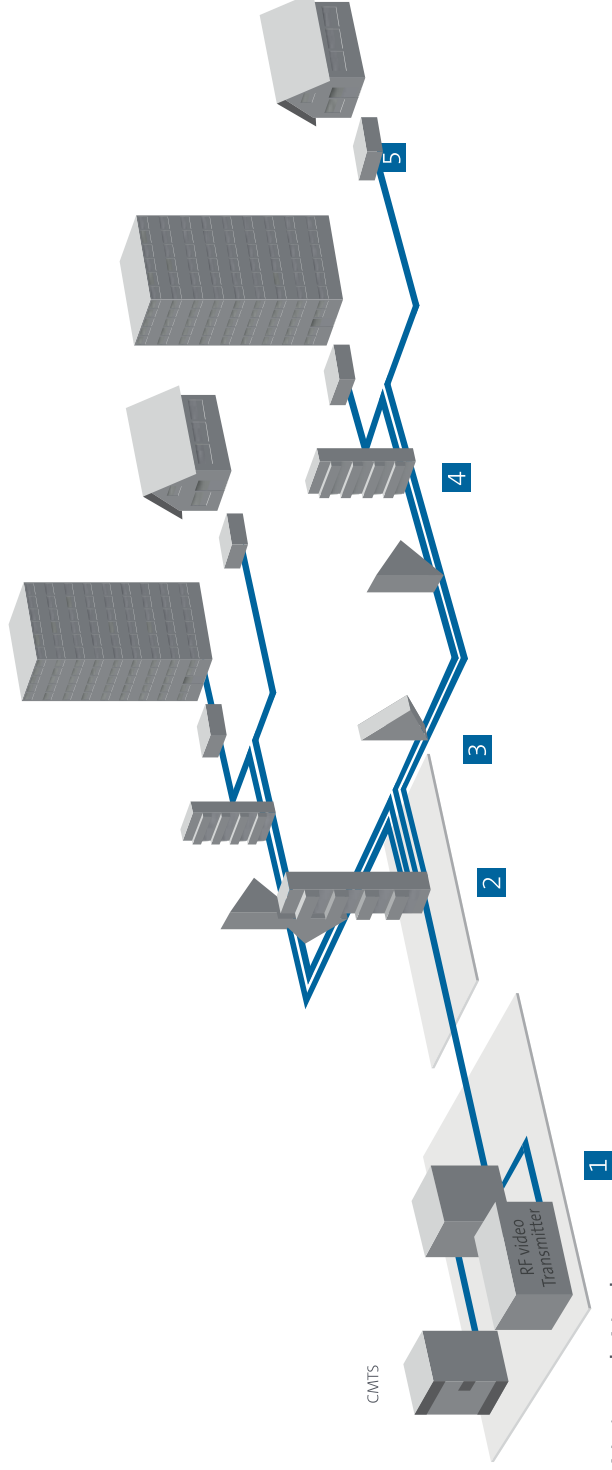
- Chemical resistance
- Protection against corrosion
- Low friction surface to retain lubricants

Before   After

HFC Hardline Products

CMTS

RF video Transmitter

[1]

[2]

[3]

[4]

[5]

Network Nodes

[1] Headend/primary hub (electrical-to-optical conversion)

[2] Final node (optical-to-electrical conversion)
  • Hardline 75 Ohm connectors and jumpers

[3] RF amplifier
  • Hardline 75 Ohm connectors and jumpers

[4] Tap
  • Hardline 75 Ohm connectors and jumpers

[5] Cable modem/set-top box

DOCSIS 3.1 READY. Unique connector design provides outstanding performance to 3 GHz for intermodulation, shielding, cross talk, return loss, and reliability (environmental and temperature behaviour, easy installation, low-tightening torque)

Applicable to Network Nodes 2, 3 and 4:

RF Type	Corning Brand	Product
2 piece HL (Brass)	True Lock	
Splitters/Taps	RF Trunk Connector with True Split Technology	
Hardline Jumper	HFX 2 Jumpers	

NEW: The Value of Corning RF Trunk Connector with True Split Technology

Installation and Space Savings   **Future Proof Design**   **Exceptional Electrical Performance**

Features and benefits ensure long-term performance

Technically:

- DOCSIS 3.x ready min. 1,8 GHz ready – future upgrades covered already (no need to touch again)
- Insulation between output ports = reduced cross talk
- Shielding > A++ (best in the world)
- Ful-Brass NiTin-Plated housing
- Least possible connections negatively impacting the signal
- Splitter/tap directly connected to incoming cable (drop/trunk)
- Water-sealed ports
- Cabelcon® True Lock technology used (locked ferrule eliminates cable twist & max. signal protection)

Installation:

- Faster and easier installation
- Less components = less stock
- Less space needed (more space for other equipment)
- Eliminating need for bigger cabinets while upgrading
- Indoor, outdoor and underground applicable
- Round design enables easy port access/installation
- No new installation tools or training needed

New design for an exceptional electrical performance

- Reduced number of connections
- Traditional splitters/taps can not operate alone, they need both jumpers and connectors to bridge the signal
- Each jumper adds a minimum of extra connections through which the signal has to travel, thus limiting deterioration
- RF Trunk connector with True Split technology reduces the number of connections to the minimum (e.g., from five to two in a 2- to 4-way splitter) preserving the signal to improve overall system performance and reliability

4-way splitter TL525 | 13052540

Before   After

True Lock Connectors, 75 Ohm

Easier installation due to:
- Reduced tightening torque
- Connector backnut with integrated strip guide
- Special wide HEX providing space for wrenches

True Lock connector activator system with multigrip, endpoint centre seizing system ensures:
- Long-term connectivity and reliability
- Uniform grip on inner conductor
- Reduced risk of intermodulation distortion (IMD)

Multislot ferrule enables:
- Correct pressure when tightening connector
- Reduced risk of IMD due to uniform grip on outer conductor
- Improved electrical performance
- Preventing cable from turning during installation

Technical Data	Interface Type	Splice Connector &Reducer	IEC14 Connector	3.5/12 Connector	F Connector	5/8 + PG11 Male Pin — with (MU) or without swivel nut (M)
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	Female and Male 7A	21A
All interface types have the following technical advantages*		✓	✓	✓	✓	✓

*General connector performance may change depending on cable type

All interface types have the following technical advantages:
- Uses existing tools and methods (standard strip, coring tools, and wrenches)
- Tested to 3 GHz
- Transfer impedance and sheilding A++

- Sealing IPX8 30 m water for eight hours
- Operation/storing temperature -40 °C to +85 °C
- Installation Temperature -5 °C to +50 °C

True Lock Hardline Connector

- True Lock Mechanism

Cabelcon® True Lock Locking System | ZA-3955

Rounded Tabs in the Locking System Design
Provide Proper Seating | ZA-3954

Cabelcon® True Lock Connector Interfaces
Same industry-standard interfaces will be available on the True Lock range as in previous Corning connector offerings

3.5/12M	3.5/12F	5/8M	5/8MU	FM
FF	IEC14M	IEC14F	PG11M	PG11MU

Features and Benefits

Reduced tightening torque	Eases installation, especially in tight or difficult installation sites
Industry's first true locked connector	Prevents cable from turning during installation
Two-piece activator system	Provides for correct pressure when tightening connector and reduces risk of IMD
Multislot ferrule	Provides uniform grip on outer conductor and improves electrical performance
Multigrip seizing mechanism	Applies uniform grip on inner conductor and reduces risk of IMD
Backwards-compatible product	No new installation tools or training required
Utilises unique Nitin-6™ plating	Extremely resistant to chemical, salt, oils, and pollutants

Connector Type	Interface						Various Combinations Available*					
	3.5/12F	3.5/12M	5/8M	5/8MU	FF	FM	IEC14F	IEC14M	PG11M	PG11MU	Splice	Splice reducer*
-TL101		✓	✓						✓		✓	✓
-TL111						✓					✓	✓
-TL121			✓			✓					✓	
-TL202			✓	✓	✓	✓		✓	✓	✓	✓	✓
-TL202FI					✓							
-TL205		✓	✓									
-TL212		✓	✓		✓	✓		✓	✓	✓	✓	✓
-TL220STI		✓	✓			✓						
-TL222		✓			✓	✓						
-TL232	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
-TL238STI		✓										
-TL243		✓	✓		✓	✓		✓		✓	✓	✓
-TL244		✓	✓		✓	✓		✓		✓	✓	✓
-TL245						✓						
-TL246						✓						
-TL250TI		✓	✓									
-TL303	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓
-TL303TI		✓	✓									
-TL306FI		✓										
-TL309		✓	✓			✓					✓	
-TL313		✓	✓			✓		✓	✓		✓	✓
-TL319TI		✓	✓		✓	✓		✓			✓	
-TL322		✓										
-TL343TI		✓				✓						
-TL363		✓	✓		✓	✓			✓		✓	✓
-TL383STI		✓				✓						
-TL402		✓				✓						
-TL404		✓	✓			✓		✓			✓	✓

*If a desired connector is not listed, please contact our customer care centre (+45 55 98 55 99) for availability.

24054006-RH 3 piece

26075003-RH 2 piece

31000616-01 Splice

49038300-01 M

53030300-02 F

57020200-01 M

85570005

85574700

87305302 M

87495520 F

Connector Type	Interface	Various Combinations Available*										
	3.5/12M	3.5/12M	3.5 /M	5/8MU	FF	FM	IEC14F	IEC14M	PG11M	PG11MU	Splice	Splice reducer*
-TL406		✓										
-TL412			✓	✓								
-TL413	✓	✓	✓	✓	✓	✓				✓	✓	
-TL414		✓	✓		✓	✓		✓	✓		✓	✓
-TL417STI		✓										
-TL418	✓	✓										
-TL419TI		✓	✓		✓	✓		✓			✓	
-TL424		✓	✓		✓	✓					✓	
-TL424FI		✓										
-TL427		✓			✓	✓						
-TL434TI		✓		✓				✓				
-TL441TI		✓						✓				
-TL444		✓	✓		✓	✓		✓			✓	
-TL470TI		✓										
-TL494STI		✓	✓		✓	✓					✓	
-TL494TI		✓										
-TL501		✓										
-TL502		✓										
-TL505		✓			✓	✓				✓	✓	
-TL505TI		✓		✓	✓	✓		✓			✓	
-TL506TI		✓	✓								✓	✓
-TL515		✓	✓			✓	✓	✓			✓	
-TL517STI		✓			✓							
-TL525	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
-TL530TI		✓										
-TL540TI		✓	✓	✓	✓						✓	
-TL606		✓				✓						
-TL609TI		✓	✓								✓	

*If a desired connector is not listed, please contact our customer care centre (+45 55 98 55 99) for availability.

Connector Type	Interface						Various Combinations Available*					
	3.5/12M	3.5 /M	5/8MU	FF	FM	IEC14F	IEC14M	PG11M	PG11MU	Splice	Splice reducer*	
-TL610TI	✓	✓			✓						
-TL611STI	✓	✓									
-TL616	✓	✓	✓		✓	✓	✓	✓		✓	
-TL619TI	✓	✓									
-TL626	✓	✓								✓	
-TL636	✓									✓	
-TL646	✓	✓	✓	✓	✓					✓	
-TL655	✓			✓	✓					✓	
-TL666TI	✓		✓								
-TL676	✓			✓						✓	
-TL696STI	✓										
-TL702TI	✓										
-TL703STI	✓	✓									
-TL706STI	✓	✓									
-TL707	✓	✓									
-TL707TI	✓										
-TL711STI	✓										
-TL717	✓										
-TL719TI		✓									
-TL730TI	✓										
-TL787TI	✓									✓	
-TL802STI		✓	✓								
-TL808	✓										
-TL828	✓		✓							✓	
-TL838TI	✓										
-TL858	✓										
-TL888TI	✓										
-TL898TI	✓										

87515102

87574740

87575111

87575540

87575704

*If a desired connector is not listed, please contact our customer care centre (+45 55 98 55 99) for availability.

Gilbert® Aluminium Hardline Connector

- GRS (3 piece) family has three main subassemblies
- G2 (2 piece) family has two main subassemblies

GRS Family

G2 Family

Product Name/Type	Part Number
GRS-540-CH-QRP-T-RH	24054006-RH
G-KS-KS-M-T-RH	18895759-RH
G2-625-CH-P3-RH	26062503-RH
G2-540-CH-QR-RH	26062503-RH
G2-500-CH-P3-RH	26050003-RH
G-SPB 2.00-RH	25000100-RH
GP-90-3.0-T-RH	25000255-RH
G2-715-CH-QR-RH	26071505-RH
G2-540-SP-QR-RH	26254005-RH
GP-90-T-RH	25000200-RH
GRS-15-BAFF-TX-T-RH	24401506-RH
GRS-540-SP-QRP-RH	24554007-RH
G2-750-CH-P3-01-RH	26075003-RH
GRS-15-CH-TX-T-RH	24001500-RH
G2-715-SP-QR-RH	26271505-RH
GRS-540-BAFF-QRP-RH	24454007-RH
G-KS-KS-FS-RH	18895959-RH
G-CH-BAFF-KS-RH	25000910-RH
G-11-FT-SPL-RH	23600002-RH
G2-625-SP-P3-RH	26262503-RH
G2-860-SP-QR-RH	26286005-RH

Feature	GRS (3 piece)	G2 (2 piece)
Ethylene propylene O-rings, ozone and abrasion resistant	✓	✓
Closing mechanism preserves reusability	✓	✓
Support Sleeve located in back nut reduces pullback during installation	✓	✓
Centre conductor cutting guide	✓	✓
Reduces possibility of moisture collecting	Domed Insulator	Flush Insulator
Tri-start threads for quick nut run-up		✓
Backnut marked for easy cable application identification	✓	
Backnut radius allows smooth transition to heatshrink tubing		✓

Installation Tools Available for all Hardline Connectors

All trunk/hardline, coring and stripping, and DualStrip™ tools are designed and manufactured in-house in our Denmark facility:

- DualStrip
- Coring and stripping tool
- Torque wrench
- Conductor cleaner

28052575

98107300-01

Product Name/Type	Part Number
Coring and Stripping Tool -TL319TI	98103060-01
Coring and Stripping Tool -TL494TI	98104150-01
Coring and Stripping Tool -TL540TI Short	98105400-03
Coring and Stripping Tool -TL540TI	98107300-01
Coring and Stripping Tool -TL383STI	98110200-03
Coring and Stripping Tool -TL220STI	98120102-01
Coring and Stripping Tool -TL517STI	98120405-01
Coring and Stripping Tool -TL611STI	98120505-01
DualStrip™ Tool -TL212 / -TL243	28021275
DualStrip Tool -TL303	28030375
DualStrip Tool -TL363	28036375
DualStrip Tool -TL515	28051575
DualStrip Tool -TL525	28052575
Shrink Sleeve TCS-7 19/6-7SS 120 cm	97100245
Grounding Ring Type 2	98028562
Grounding Ring Type 3	98028563
Grounding Ring Type 4	98028564
Grounding Ring Type 5	98028565
Grounding Ring Type 6	98028566
Nut and Washer for 5/8 in	99900555

98107300-01A

Corning Optical Communications

Hardline Trunk Solutions Compatible with Most Coaxial Cable Manufacturers

We are able to provide hardline trunk solutions for most legacy coaxial cable in all of the world. In the case you do not find your supplier on this extensive list, we are happy to help you identify the right solution for you.

ABB	CAVICEL S.p.A.	Huber + Suhner	Pope
Acome	CCH Dour	Ikusu	RFR
Alcatel-Lucent Enterprise	CommScope	Interkabel	RFS Kabelmetal
Amphenol Broadband	Condumex Inc.	ITC Thermo Cable GmbH	SAT World
Solutions	Czech Cable	Kabelwerk Eupen AG	Satlan
Andrew Cables	Delta Group	Kabel Rheydt (Nexan)	Siemens
Axing AG	DKT Comega	Katherein	Sytronic Kabel GmbH
Becker Varis	Draka Comteq B.V.	Klas Kablo	TechniSat
Bedea	Dätwyler	Leoni AG	Tianjie Cable
Belden	EET Europarts	Macab	TKF Connectivitiy Solutions
Beta LaserMike	Ericsson	NEK Kabel AS	Triax
(NDC Technologies)	F&G	Nexans	Trilogy Communications
Beta Cavi	FMC	Nexans Schweiz AG	Vacha Kabel GmbH
Bieffe Cavi	Fracarro	NK Communications	Volex
Bosch	Francofa Eurodis	NK Networks	Webro
Braun teleCom GmbH	Fuba	NKF Kabel B.V.	Wilhelm Sihn Jr. GmbH
Cablerie Seneffoise	Fujikura	NKT Cables	Witronic AG
CAE Group	G.ecol.cables S.r.l.	Nordix S. A.	
Cavel	Hansen Technology Co. Ltd	Ören Kablo	
Cavi Europack	Hirschmann	Pirelli	

To order the appropriate connector for your cable, please use one of the following options:

1. Click here: www.coaxconnectors.dk/shop.asp
2. Use our online web catalogue (See page 31)
3. Contact our customer care centre (See page 31)

HFX2 jumpers, available from 0.3 m to 10 m

Features

- A++ shielding
- Available with True Lock connector option to connect with trunk cables
- One of the most flexible jumpers on the market
- Designed for installation in tight spaces
- Eight interfaces available

Benefits

- Space savings — shorter connector
- Reduced need for right-angled connectors due to space savings
- Cable flexibility ensures optimal patch management

HFX2 Jumper | CRR2319

HFX2 Jumper Family | CRR2328

Typical Specifications of HFX2 Jumpers

Product Name/Type	Product Description
5/8MU-CXJHFX2-5/8MU/0.7	93575707
Cable Minimum Bend Radius	108 mm
Frequency Range Impedence (Nominal) Amp. Rating: (measured) (calculated)	0.3-3000 MHz 75 Ohm 12.5 A @ 10°C increase 17.6 A @ 20°C increase
Transfer Impedance (CoMeT)	< 0.9 m Ohm/m @ 5-30 MHz < 0.6 m Ohm/item @ 5-30 MHz
Screening Attenuation (CoMeT)	Class A++ > 110 dB @ 30-1000 MHz > 95 dB @ 1000-2000 MHz > 85 dB @ 2000-3000 MHz
Return Loss (IEC 61169-1)	Typical
0.3-500 MHz 500-860 MHz 860-1000 MHz	-28.6 dB -28.4 dB -27.1 dB
Temperatures	
Installation: Operation: Storage:	5°C to +50°C -40°C to IPX8 -40°C to IPX8
Sealing Test	
(IEC IP-code)	1 m/24 hours +70°C
O-ring	EPDM
Base Material	

Interfaces Available			
3.5/12M	3.5/12F	5/8MU	90-5/8MU
5/8F	PG11MU	FM	IEC14M
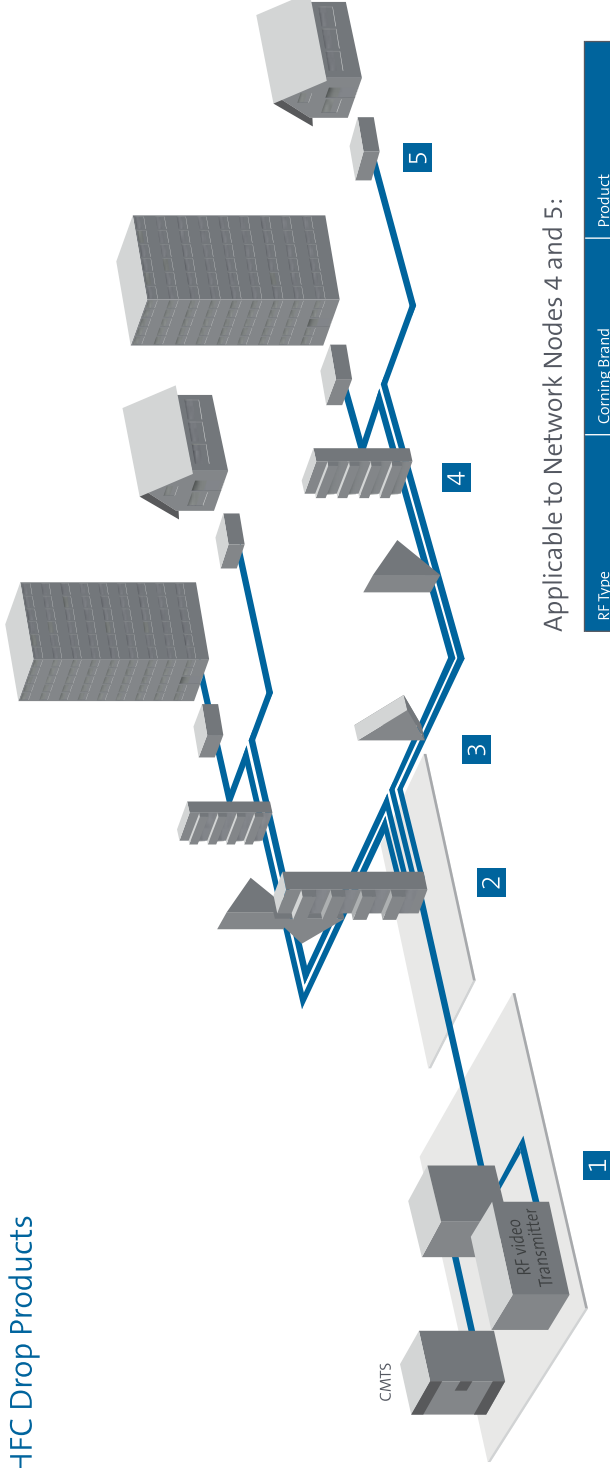
Any combination of the interfaces shown are available in any jumper type and length. Please contact our customer care centre. See page 31.

HFC Drop Products

CMTS

RF video Transmitter

Network Nodes

1. Headend/primary hub (electrical-to-optical conversion)
2. Final node (optical-to-electrical conversion)
3. RF amplifier
4. Tap
   - Drop 75 Ohm connectors and jumpers
5. Cable modem/set-top box
   - Drop 75 Ohm connectors and jumpers

Applicable to Network Nodes 4 and 5:

RF Type	Corning Brand	Product
CX3™ Standard Compression	CX3 (Indoor and Outdoor)	
Compression	QuickMount™ (Indoor and Outdoor)	
Toolless	Self-Install Auto Compression (Indoor and Outdoor)	
Splitters/Taps	RF Trunk Connector with True Split Technology	
Drop Jumpers	CXJ	

DOCSIS 3.1 READY. Unique connector design provides outstanding performance to 3 GHz for intermodulation, shielding, cross talk return loss, and reliability (environmental and temperature behavior, easy installation).

HFC Drop Products

Hybrid QuickMount™: 360° Compression With Additional Braid Gripper

Reliability

Jacket deterioration minimised by braid gripper

- Compression results in the cable jacket pressed between outer metal body and dielectric of the cable (first point of compression)
- **Additional gripper** – grips braid between two brass (metal) parts in the front of the connector (creating contact for signal) transmission and ensuring pull strength)

Superior Electrical Performance

Future upgrades covered by superior electrical performance

Return Loss (IEC 61169-1)	Better Than	Typical
0.3-500 MHz	-36.6 dB	-37.1 dB
500-860 MHz	-34.2 dB	-36.7 dB
860-1000 MHz	-34.2 dB	-36.7 dB
1000-1750 MHz	-32.0 dB	-35.1 dB
1750-2150 MHz	-30.0 dB	-34.5 dB
2150-3000 MHz	-25 dB	-29.3 dB

Easier and Fast Installation

Traditional Installation:
Step 1
Strip the cable

Step 2
Pull back braid

Step 3
Push on connector

Step 4
Compress

QuickMount Installation:
Step 1
Strip the cable

Step 2
Push on connector (without force)

Step 3
Compress

Hybrid QuickMount

Cabelcon® QuickMount™ drop connectors have been tested up to 3 GHz ensuring an optimum performance no matter what frequency ranges new releases of DOCSIS adopt in the future.

Drop Connectors, 75 Ohm

- Integrated seals enable safe outdoor use
- Nitin-6™ plating provides 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

	F-56 4.9 Self-Install Auto Compression	F-56-CX3 5.1	F-56-CX3 7.0 QuickMount™ (QM)
	Self-Install Auto Compression (Indoor and 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
Interfaces For RG11	N/A		Female + Male + IEC14M + 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 Optical Communications

Drop Connectors for Mini Cables

Product Type/Name	Part Number	Product Description
F Male QuickMount™ Compression MINI		
FM-60-CX3 MINI 3.1	99909402-02	For MINI 3.1 mm cable
FM-60-CX3 MINI 4.0	99909403-02	For MINI 4.0 mm cable
FM-60-CX3 MINI 4.5	99909404-06	For MINI 4.5 mm cable
FM-60-CX3 MINI 5.0	99909406-02	For MINI/RG59 5.0 mm cable
BNC Male Compression Connectors MINI		
BNCM-60-CX3 MINI 4.0	99909463	For MINI 4.0 mm cable
BNCM-60-CX3 MINI 4.5	99909464	For MINI 4.5 mm cable
IEC Compression Connectors MINI		
IECM-60-CX3 MINI 4.5	99909487	For MINI 4.5 mm cable
Cable Strippers MINI		
Cable Stripper LDT MINI	98500995	For 4.0 mm to 5.00 mm jacket
Cable Stripper LDT-1 MINI	98500998	For 3.0 mm to 4.00 mm jacket

99909402-02

99909403-02
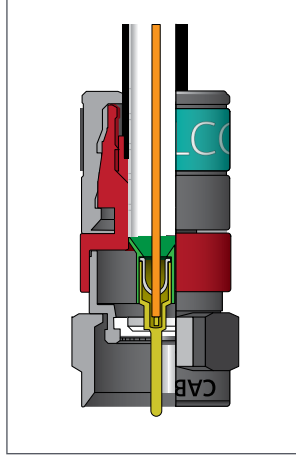
Fully Inserted and Compressed

Functions of our innovative PushPin™ system:

- The pin is protected in the body during transport and is automatically pushed in place during cable installation (before compression)
- Eliminates blind entry when installing, offering visible indication of properly installed cable

PushPin technology is available in all CX3™ RG7/11 connectors, CX3 mini connectors, and in some RG6/59 connector types. BNC and RCA connectors also feature the unique system.

Drop Connectors for RG59 Cables

Product Name	Part Number	Product Description
F Male Self-Install RG59		
F-59 Self-Install 3.7 NI	99909616	For MINI/RG59 5.0 mm cable, with 3.5 mm dielectric
F-59 Self-Install 3.9 NI	99909621	For RG59 6.0 mm cable, with 3.0 mm dielectric
F Male Compression RG59		
F-59-CX3 3.9	99909421-01	For RG59 6.0 mm cable, with 3.0 mm dielectric
F-59-CX3 3.9 HEC	99909435-01	For RG59 6.0 mm cable, with 3.0 mm dielectric (headend)
F-59-CX3 H 3.9 Short	99949422-01	For RG59 6.0 mm cable, with 3.0 mm dielectric (no interface seal)
F Male QuickMount™ Compression RG59		
F-CX3 5.0 QM Short	99909410-01	For MINI/RG59 5.0 mm cable
F-59-CX3 6.0 QM	99909427	For RG59 6.0 mm cable
F Male SpringConnect Compression RG59		
F SC-59-CX3 3.9 Short	99905523-01	Short F Push-On SpringConnect Compression Connector for RG59 cable, outer diameter 3.9 mm
IEC Compression Connectors RG59		
IECM-59-CX3 3.9	99909482-01	For RG59 6.0 mm cable, with 3.0 mm dielectric
IECF-59-CX3 3.9	99909492-01	For RG59 6.0 mm cable, with 3.0 mm dielectric
BNC Male Compression Connectors RG59		
BNCM-59-CX3 3.7	99909472-02	For MINI/RG59 5.0 mm cable, with 3.5 mm dielectric
BNCM-59-CX3 3.9	99909473-02	For RG59 6.0 mm cable, with 3.0 mm dielectric
Cable Strippers RG59		
Cable Stripper MINI Ø5 WB	98501085	For MINI/RG59 5.0 mm cable (useful for wall boxes)
Cable Stripper Rotary RG 6/59	98501010	

99909427

99909482-01

99909492-01

99909473-02

99909421-01

99909435-01

99909410-01

98501010

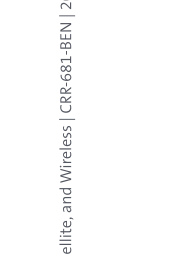| Product Type/Name	Part Number	Product Description
F with Standard F Nut Self-Install		
F-56 4.9 Self-Install Nitin	99909631	For RG6 7.0 mm cable, with 4.6 mm dielectric
F-56 5.1 Self-Install Nitin	99909636	For RG6 7.0 mm cable, with 4.8 mm dielectric
F with Standard F Nut CX3™ Standard Compression		
F-56-CX3 4.9	99909441-01	For RG6 7.0 mm cable, with 4.6 mm dielectric
F-56-CX3 4.9	99909581	For RG6 7.0 mm cable, with 4.6 mm dielectric
F-56-CX3 5.1	99909446-01	For RG6 7.0 mm cable, with 4.8 mm dielectric
F with Standard F Nut CX3 QuickMount™		
F-56-CX3 7.0 QM	99909407-02	For RG6 7.0 mm cable
F-56-CX3 7.0 QM without O-ring	99909412	For RG6 7.0 mm cable (no interface seal)
F-56-CX3 7.0 QM Short	99909430	For RG6 7.0 mm cable
F with SpringConnect Self-Install		
F SC-56 5.1 Self-Install	99909673	For RG6 7.0 mm cable, with 4.6-4.8 mm dielectric
F with SpringConnect Standard Compression		
F SC-56-CX3 4.9 Short	99909549-01	For RG6 7.0 mm cable, with 4.6 mm dielectric
IEC Self-Install		
IECM-56 5.1 Self-Install	99909686	For RG6 7.0 mm cable, with 4.6-4.8 mm dielectric
90-IECM-56 5.1 Self-Install	99909692	For RG6 7.0 mm cable, with 4.6-4.8 mm dielectric
IECF-56 5.1 Self-Install	99909690	For RG6 7.0 mm cable, with 4.6-4.8 mm dielectric
90-IECF-56 5.1 Self-Install	99909691	For RG6 7.0 mm cable, with 4.6-4.8 mm dielectric
IEC CX3 Standard Compression		
IECM-56-CX3 4.9	99909484-02	For RG6 7.0 mm cable, with 4.6 mm dielectric
IECM-56-CX3 5.1	99909486-02	For RG6 7.0 mm cable, with 4.8 mm dielectric
IECF-56-CX3 4.9	99909494-01	For RG6 7.0 mm cable, with 4.6 mm dielectric
IECF-56-CX3 5.1	99909496-01	For RG6 7.0 mm cable, with 4.8 mm dielectric
BNC CX3 Standard Compression		
BNCM-56-CX3 4.9	99909475-02	For RG6 7.0 mm cable, with 4.6 mm dielectric
BNCM-56-CX3 5.1	99909476-02	For RG6 7.0 mm cable, with 4.8 mm dielectric

99909631

99909686

99909673

99909692

99909441-01

99909690

99909446-01

99909691

99909412

99909494-01

Drop Connectors for RG11 Cables

Product Type/Name	Part Number	Product Description
F Male PushPin™ CX3™ Standard Compression		
FM-RG11-CX3 7.5	99909510-02	For RG11 10.0 mm cable, with 7.3 mm dielectric
FM-RG11Q-CX3 7.5	99909515-02	For RG11 10.5 mm cable, with 7.3 mm dielectric
F Male PushPin CX3 QuickMount™		
FM-RG11-CX3 QM 10.5	99909538-02	For RG11 10.0–10.5 mm cable
FM-RG11Q-CX3 QM 11.0/1.7	99909539	For RG11 10.5–11.0 mm cable
FM-RG11-CX3 QM 11.3	99909558	For Tellu7 11.0 mm cable
IEC Male PushPin CX3 Standard Compression		
IEC14M-RG11-CX3 7.5	99909535-02	For RG11 10.0 mm cable, with 7.3 mm dielectric
5/8 MU PushPin CX3 Standard Compression		
5/8 MU-RG11-CX3 7.5	99909525-02	For RG11 10.0 mm cable, with 7.3 mm dielectric
5/8 MU PushPin CX3 QuickMount		
5/8 MU-RG11-CX3 QM 10.5	99909528-02	For RG11 10.0–10.5 mm cable
3.5/12 Male and Female PushPin CX3 Standard Compression		
3.5/12M-RG11-CX3 7.5	99909520-02	For RG11 10.0–10.5 mm cable
3.5/12F-RG11-CX3 7.5	99909530-02	For RG11 10.0–10.5 mm cable
3.5/12 Male & Female PushPin CX3 QuickMount		
3.5/12M-RG11-CX3 QM 10.5	99909524-01	For RG11 10.0–10.5 mm cable
BNC Male PushPin CX3 Standard Compression		
BNCM-RG11Q CX3 7.5	99909536-02	For RG11 10.0–10.5 mm cable
BNC Male PushPin CX3 QuickMount		
BNCM-RG11-CX3 QM 10.5	99909541-01	For RG11 10.0–10.5 mm cable

99909510-02

99909538-02

99909525-02

99909520-02

Functions of our innovative PushPin system:

- The pin is protected in the body during transport (except CX3 5/8M) and is automatically pushed in place during cable installation (before compression)
- Eliminates blind entry when installing, offering visible indication of properly installed cable

PushPin technology is available in all CX3 RG7/11 connectors, CX3 mini connectors, and in some RG6/59 connector types. BNC and RCA connectors also feature the unique system.

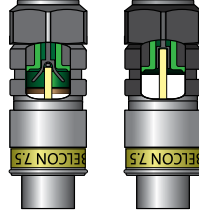## CX3™ RG11 F-Connector

Position one:
The pin grips the inner conductor and makes sure that the cable is always inserted correctly in the connector.

Position two:
The pin locks the inner conductor as the cable is inserted while the pin is pushed forward in place - indicating that the cable is correctly installed.

The shown example is our CX3 RG11 F—connector but the principle is the same for our other CX3 types.

Drop Compression Tools and Stripper

Product Type/Name	Part Number	Product Description
Compression Tools		
Compression Tool MINI/RG59/6	98029075	Compression Tool IEC/F/BNC/SHORT
CX3™ Pocket Tool 59/6 F and IEC	98029070	Compression Tool IEC/F
Compression Tool CX3 RG59/6 WB	98029046	Wall Box Compression Tool (if limited space is available, no rotating head)
Compression Tool CX3 all sizes	98029072-01	For all listed F/FM/IEC M & F/BNCM compression connectors (RG59/6/11)
Compression Tool RG11 universal	98029073	For all listed RG11/Tellu7 compression connectors
CAT-AS-IEC/ICA/RCA-FX	98029049	Compression Tool for F and IEC
Cable Stripper		
Cable Stripper Rotary RG6	98501010	For 3.0-7.0 mm cable
Cable Stripper RG6/59 W. HEX 11	98501040-02	For 3.0-7.0 mm cable
Cable Stripper O/D RG6/59 WB	98501080	Wall Box Cable Stripper (if limited space is available)
Cable Stripper I/D RG6/59 WB	98501083	Wall Box Cable Stripper (if limited space is available)
Cable Stripper Rotary RG11	98501102	For 10.0-11.00 mm cable
Accessories		
Torque Wrench HEX 14 mm 4.5 nm	98029095	For RG11 & Hardline F Male Connectors
Rubber Tool for Cable Support	98028785	Supporting Grip on cable when pushing connector on cable
Conductor Cleaner and Beveller	98500904	Centre Conductor Cleaner and Deburrs
Conductor Cleaner CC-200 EUR	98500903	Centre Conductor Cleaner
Installation Tool for F connectors	98028798-02	F Interface
Installation Tool for BNC connectors	98028796	BNC Interface
Seal Ring 1/2-in for F connectors	99900902	F Interface
Security Shield Ø20.0 mm	98028795	Security Lock for F connectors

98501010

98029070

98028795

98501080

98029046

Corning Optical Communications

Adapters and Accessories

Product Type/Name	Part Number	Product Description
180-Degree Adapters	86555500	180-FF-FF-HQ
90-Degree Adapters	99530035-02	90-FM-FF-HQ
90-Degree Adapters	99900600	90-FM-FF ANGEL
Adapters	87303002	BNCF 75 Ohm — BNCF 75 Ohm
Adapters	87304500-01	BNCF 75 Ohm — IECM
Adapters	87304900-01	BNCF 75 Ohm — 3.5/12M
Adapters	87305502	BNCF-75 Ohm — FF HQ SHORT
Adapters	87315502-01	BNCM 75 Ohm — FF HQ
Adapters	87535502-03	FM SC-FF LONG MODEL HQ
Adapters	87535510-01	FM PUSH ON-FF HQ
Adapters	99455510-01	IECM-FF-HQ
Adapters	99475510-02	IECF-FF-HQ
Adapters	99534510	FM-IECM
Adapters	99534710	FM-IECF
Adapters	99550021	F-81-HQ CHASSIS
Adapters	99550025-02	F-81-HQ-1 NiTin CC
Adapters	99550044-02	F-81-HQ GROUNDING BLOCK CC
Adapters	99550045-02	F-81HQ DUAL GROUNDING BLOCK
Adapters	99550050-01	F-81-HQ-D NiTin CC
Adapters	99900450	F-71-M-S
Adapters	99900500	F-81
Attenuators F Male - F Female	90000005	ATTENUATOR FM-FF 3 dB
Attenuators F Male - F Female	90000010	ATTENUATOR FM-FF 6 dB
Attenuators F Male - F Female	90000015	ATTENUATOR FM-FF 10 dB
Attenuators F Male - F Female	90000025	ATTENUATOR FM-FF 16 dB
Attenuators F Male - F Female	90000030	ATTENUATOR FM-FF 20 dB
Industrial Connectors	99900513	F-61DD-HQ W/NUT & TEETH WASHER
Industrial Connectors	99900514	F-61-HQ-2 (PCB-MOUNT)
Industrial Connectors	99900515-02	F-61-90SRP-D-HQ (PCB-MOUNT)
Industrial Connectors	99900535	F-61-OHL-1-01 with O-ring
Industrial Connectors	99900535	F-61-HQ W/NUT & TEETH WASHER
Locking Terminators	99901850	CTP-R75 SHORT W.THREAD

Product Type/Name	Part Number	Product Description
Locking Terminators	99901910	LT-R75S SHORT
Locking Terminators	99901915	LT-R75ST SHORT W.THREAD
Locking Terminators	99901917	LT-R75ST SHORT W.THREAD NiTin
Nut & O-ring - IECM-CX3	99900570-01	M14 NUT + O-RING F. CX3+CRIMP
Nuts & Washers	99900550-01	NUT AND WASHER FOR F-81
Nuts & Washers	99900552	NUT AND TEETH WASHER F-81
Port Terminators	89450006	IECM-R75 PORT TERMINATOR
Port Terminators	89535502-01	FM R75-FF MALE TERMINATOR NiTin
Port Terminators	99902004-02	FM SC-R75 1/4-HQ NiTin
Port Terminators	99902008-01	TR-59-1/4-HQ NiTin
Port Terminators	99902009	TR-59-1/4 NiTin

99900518-01

99900550-01

99902008-01

99550045-02

99900552

99901915

Drop Jumpers
RG59 Fly Leads and RG6 Drop Jumpers 0.2 m to 15+ m

Product Type/Name	Part Number	Product Description
A Class Shielding White		
FM-CXJ59PVC-FM/CX3B/W/2.0	94999720	Fly Lead, F to F, 6.0 mm cable, 2.0 m
FM-CXJ59PVC-FM/CX3H/W/0.8	94999708	Fly Lead, F to F, 6.0 mm cable, 0.8 m
FM-CXJ59PVC-FM/CX3H/W/0.5	94999705	Fly Lead, F to F, 6.0 mm cable, 0.5 m
FM-CXJ59PVC-FM/CX3B/W/5.0	94999750	Fly Lead, F to F, 6.0 mm cable, 5.0 m
FM SC-CXJ59-FM SC/W/CX3/0.5	94998705	Fly Lead, SpringConnect F to F, 6.0 mm cable, 5.0 m
A+ Class Shielding White		
FM-CXJA+59CCS-IECF/W/2.5	94999025-01	Fly Lead, F to IECF, 6.0 mm cable, 2.5 m
FM SC-CXJA+59CCS-FM SC/CX3/W/1.5	94998915	Fly Lead, SpringConnect F to F, 6.0 mm cable, 1.5 m
FM SC-CXJA+59CCS-FM SC/CX3/W/2.0	94998920	Fly Lead, SpringConnect F to F, 6.0 mm cable, 2.0 m
FM SC-CXJA+59CCS-FM SC/CX3/W/3.0	94998930	Fly Lead, SpringConnect F to F, 6.0 mm cable, 3.0 m
A+ Class Shielding Black		
FM-CXJA+6-FM/CX3/B/0.4	94980374	Jumper, F to F, 7.0 mm cable, 0.4 m
FM-CXJA+6-FM/CX3/B/0.3	94980373	Jumper, F to F, 7.0 mm cable, 0.3 m
FM-CXJA+6-FM/CX3/B/0.5	94980375	Jumper, F to F, 7.0 mm cable, 0.5 m
FM-CXJA+6-FM/CX3/B/0.6	94980376	Jumper, F to F, 7.0 mm cable, 0.6 m
FM-CXJA+6-FM/CX3/B/0.8	94980378	Jumper, F to F, 7.0 mm cable, 0.8 m

Any length – from 0.2 m to 15+ m – and combination of cables and connectors are available upon request. White and black cable is available in A and A+ types (A++ upon request).

Available interfaces include standard F, F SC, IEC male and female, and 3.5/12 male and female.

Satellite Products
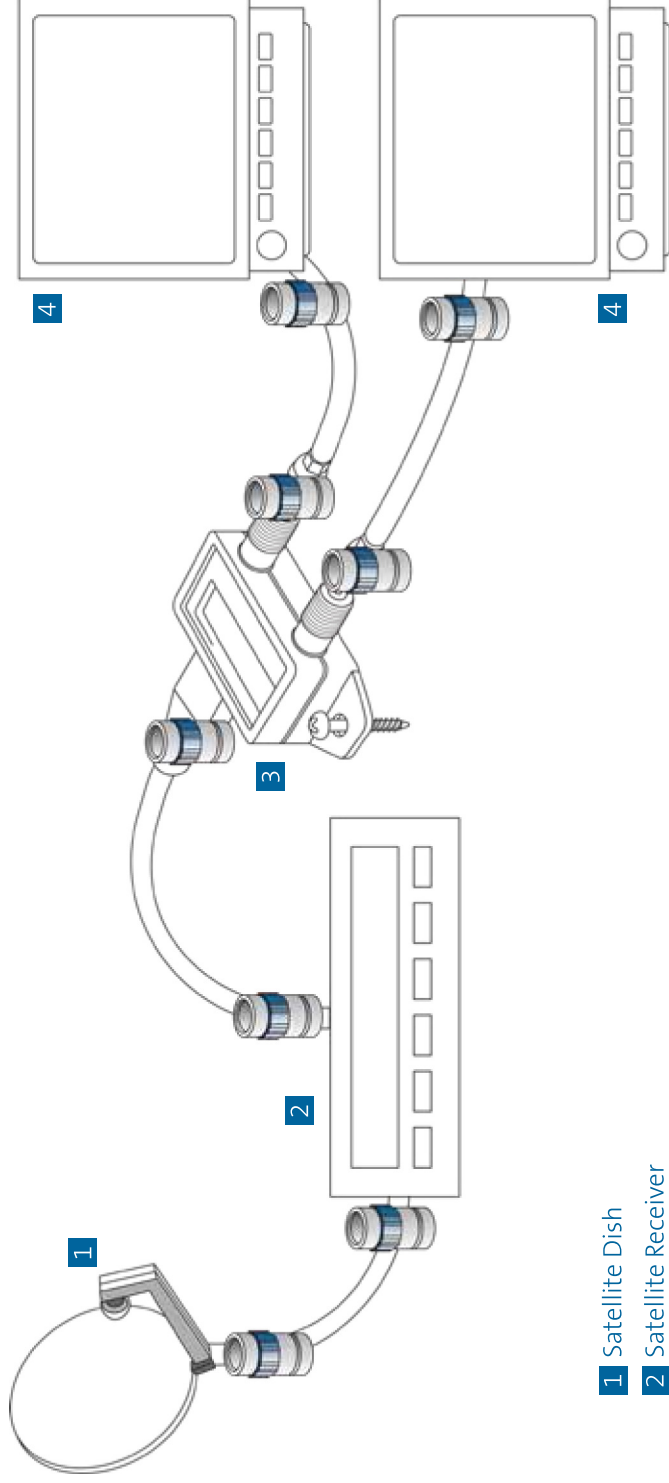
1 Satellite Dish
2 Satellite Receiver
3 Splitter
4 Television

Self-Install Auto-Compression Connector

- A++ shielding
- Auto-compression with support sleeve prevents cable loosening
- Finger-friendly nut (optimal tap installation)
- Full sealing (front and back)
- > 35 kg pull strength
- Cable prep guide
- No compression tool needed
- DIY installation set available

98029046

98501010

98501040-02

98501080

Double Click Wireless Connectors

The 50 Ohm wireless double-click connector provides easy cable preparation and connector installation.

Available for use with various standard cables using standard interfaces, the connector features a two-piece design that eliminates the loose parts that can be dropped or lost during field installation.

The tooling dramatically cuts the time required to prepare cable and the POM ferrule design eliminates the need to hammer a backnut onto the cable.

Tightening torque is significantly less than other industry offerings with less turns required to fully tighten the connector. The double-click connector features brass bodies with Nitin-6™ plating and silver-plated centre conductors.
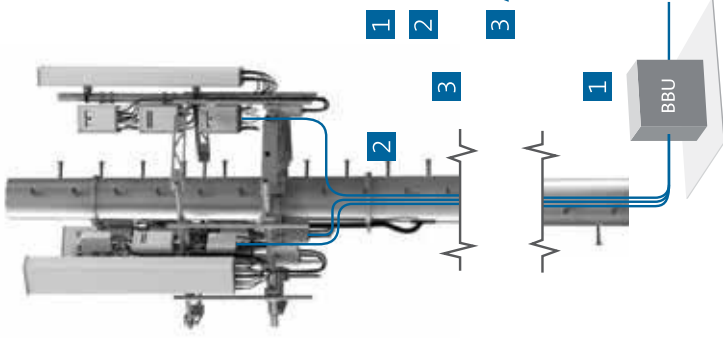
1 Base Band Unit
2 Remote Radio Head
  • Wireless 50 Ohm connectors
3 Antenna
  • Wireless 50 Ohm connectors

Parameter	Measurement Conditions	Typical Measurement 1 5/8 in	Typical Measurement 1 5/8 in, new design (double click)	Difference
VSWR (Return Loss)	50-1000 Mhz	38 dB	46 dB	+8 dB
	1000-2000 Mhz	35 dB	41 dB	+6 dB
	2000-3000 Mhz	34 dB	39 dB	+5 dB
Intermodulation	2 x 20 W	150 dBc	168 dBc	+18 dB

Interfaces Available			
7/16	4.1/9.5 (mini DIN)	4.3/10	N
5/8F	PG11MU	FM	IEC14M

Connectors are available for the following cable sizes:		
½ in	7/8 in	1 ¼ in	1 5/8 in

The Value of Double Click Wireless Connectors

Easier and Faster Installation

Superior Electrical Performance

Intelligent Design

Easier and Faster Installation

- 90 secs. installation time vs. > five min. of traditional connectors

Intelligent Design

- High-tech polymer ferrule: 360° seal at the cable jacket
- Double click technology: Dual Grip on outer conductor, allows a more stable connection for the best PIM performance
- "Super-sealing" interface: creates a water tight interface with special polymer eliminating O-rings
- Best-in-class EPDM O-ring: O-ring provides sealing in case of cable jacket damage

Superior Electrical Performance

- Return loss (VSWR): 5-8 dB improvement vs. available solutions
- Intermodulation (PIM): 18 dB improvement vs. available solutions

Full NiTin-plated Brass Body

Nitin-6™ plating adds on excellent corrosion resistance and long-term conductivity and reliability to the nut, brass gripper, and body of the connector.

This in-house nonmagnetic plating enables:

- Excellent protection in all environments against corrosion
- Low-friction surface that retains lubricant but resists finger markings
- No toxicity and no allergic reactions to individuals allergic to nickel

76051250

52095850

78095850

Double Click Wireless Connectors

Cable Type	Part Number	Item Name	Tool Number	Tool Name
1/4 in Superflex	76011450	NM/50-14/50	N/A	
	78011450	NF/50-14/50	N/A	
1/4 in Corrogated	76021450	NM/50-214/50		DUALSTRIP TOOL TYPE 214/50
	76021451	NMR/50-214/50	28021450	
	78021450	NF/50-214/50		
3/8 in Superflex	76033850	NM/50-38/50	28033850	DUALSTRIP TOOL TYPE 338/50
	78033850	NF/50-38/50		
1/2 in Superflex	50041250	7/16M-412/50		
	50041251	90-7/16M-412/50		
	52041250	7/16F-412/50		
	54041250	4,1/9,5M-412/50		
	54041251	90-4,1/9,5M-412/50		
	56041250	4,1/9,5F-412/50	28041250	DUALSTRIP TOOL TYPE 412/50
	58041250	4,3/10M-412/50		
	58041251	4,3/10MR-412/50		
	60041250	4,3/10F-412/50		
	76041250	NM/50-412/50		
	76041251	90-NM/50-412/50		
	78041250	NF/50-412/50		
1/2 in Corrogated	50051250	7/16M-512/50		
	50051251	90-7/16M-512/50		
	52051250	7/16F-512/50		
	54051250	4,1/9,5M-512/50		
	54051251	90-4,1/9,5M-512/50		
	56051250	4,1/9,5F-512/50	28051251	DUALSTRIP TOOL TYPE 512/50
	58051250	4,3/10M-512/50		
	58051251	4,3/10MR-512/50		
	60051250	4,3/10F-512/50		
	76051250	NM/50-512/50		
	76051251	90-NM/50-512/50		
	78051250	NF/50-512/50		

50095850

50051250

# Double Click Wireless Connectors

DualStrip tools, manufactured in-house with best-in-class performance, are available for each mentioned cable type.
Consult our customer care centre to identify the appropriate connector and tool for your cable.

Cable Type	Part Number	Item Name	Tool Number	Tool Name
7/8 in Corrogated	50087850	7/16M-878/50		
	50087851	90-7/16M-878/50		
	52087850	7/16F-878/50		
	58087850	4,3/10M-878/50		
	58087851	90-4,3/10M-878/50	28087851	DUALSTRIP TOOL TYPE 878/50
	60087850	4,3/10F-878/50		
	76087850	NM/50-878/50		
	78087850	NF/50-878/50		
1 1/4 in Corrogated	50091450	7/16M-914/50		
	52091450	7/16F-914/50		
	58091450	4,3/10M-914/50		
	60091450	4,3/10F-914/50	28091451	DUALSTRIP TOOL TYPE 914/50
	76091450	NM/50-914/50		
	78091450	NF/50-914/50		
1 5/8 in Corrogated	50095850	7/16M-958/50		
	52095850	7/16F-958/50		
	58095850	4,3/10M-958/50		
	60095850	4,3/10F-958/50	28095851	DUALSTRIP TOOL TYPE 958/50
	76095850	NM/50-958/50		
	78095850	NF/50-958/50		
RG213	99760831	NM/50-RG213/214-CX3	98029073	COMPRESSION TOOL RG11 UNIVERSAL
			98501102	CABLE STRIPPER ROTARY RG11
RG8	99760831	NM/50-RG213/214-CX3	98029073	COMPRESSION TOOL RG11 UNIVERSAL
			98501102	CABLE STRIPPER ROTARY RG11
H1000, RG8, MRC400	76020105	NM/50-201/50 AG/AG	98501105	CABLE STRIPPER — HARDLINE
	78020104	NF/50-201/50 AG-PIN		
H100, H500	76020405	NM/50-204/50 AG/AG	98501105	CABLE STRIPPER — HARDLINE
2.7/7.6	76022005-02	NM/50-220/50	98501105	CABLE STRIPPER — HARDLINE

Tools and Resources

Request to be contacted by our customer care centre or local sales development team:

+ 45 55 98 55 99

cc.emea@corning.com
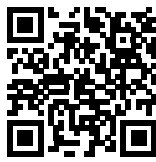
To find the appropriate product to fit your cable, please use our online tool, using your cable as the input.

Search our product catalogue:
www.coaxconnectors.dk/shop.asp

Corning
Cabelcon

■ main menu   ■ guided search via cable   ■ product search   ■ read memory pad

Search for Cables

Manufacturer: All Manufacturers: ◆

Cable description:
                     Full or part description.

                                   Minimum Maximum   Sorted by

Inner conductor: in mm.
Dielectric: in mm.
Outer conductor: in mm.
Outer sheath: in mm.

Cabelcon Type
(CC Type):

Search cable for:

Connectors, splice connectors and jumpers > >   **Search**

Splice reducers and SR jumpers > >   **Search**

Crimp connectors > >   **Search**

Compression connectors > >   **Search**

<< Back

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