

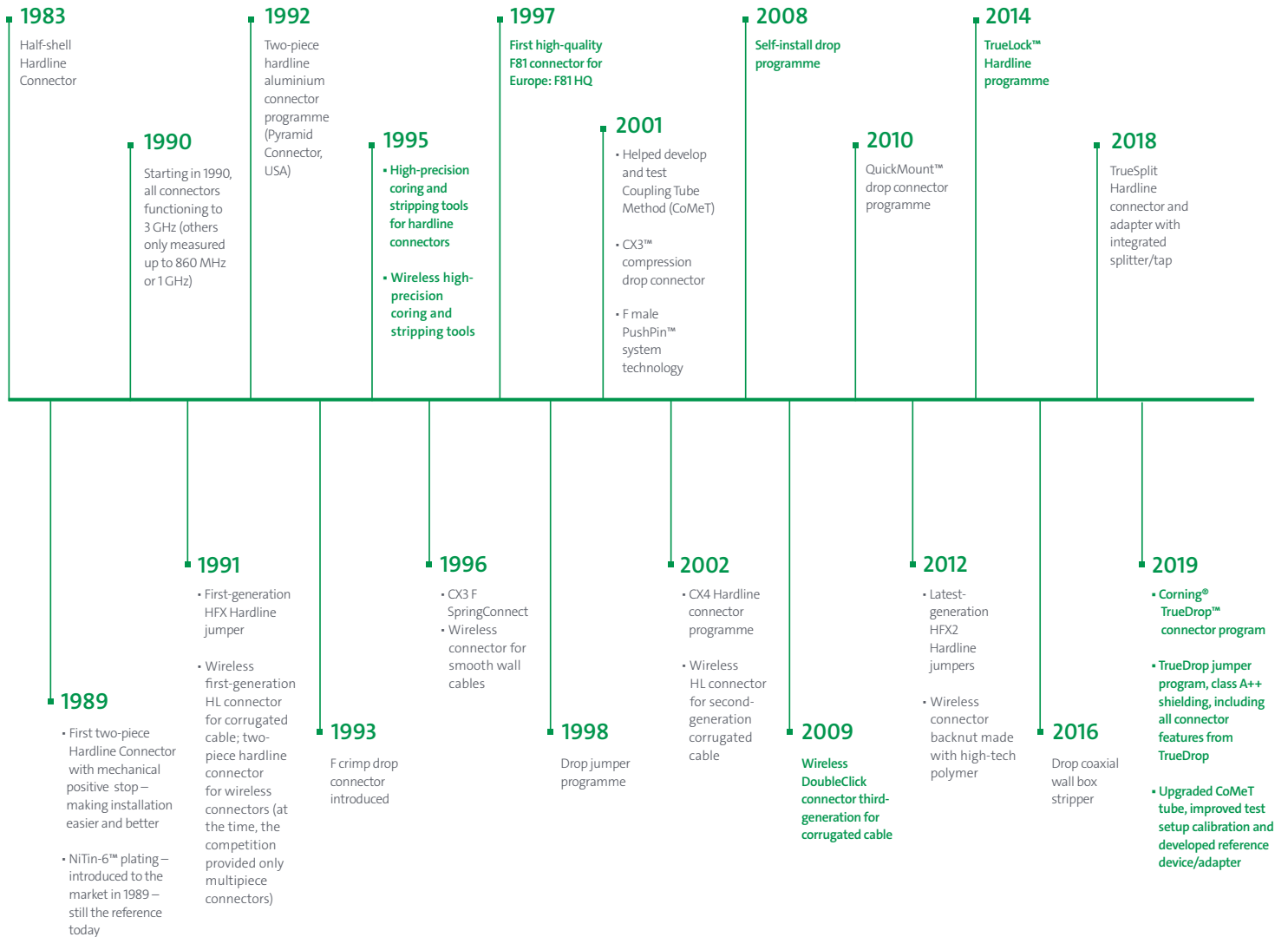
A photograph showing two construction workers in hard hats (one white, one yellow) looking at a large site plan or map. The map features various colored lines (red, blue, green) representing fiber optic network paths overlaid on a building and street layout. One worker is pointing at a specific area on the map with a pen. The background is a plain wall.

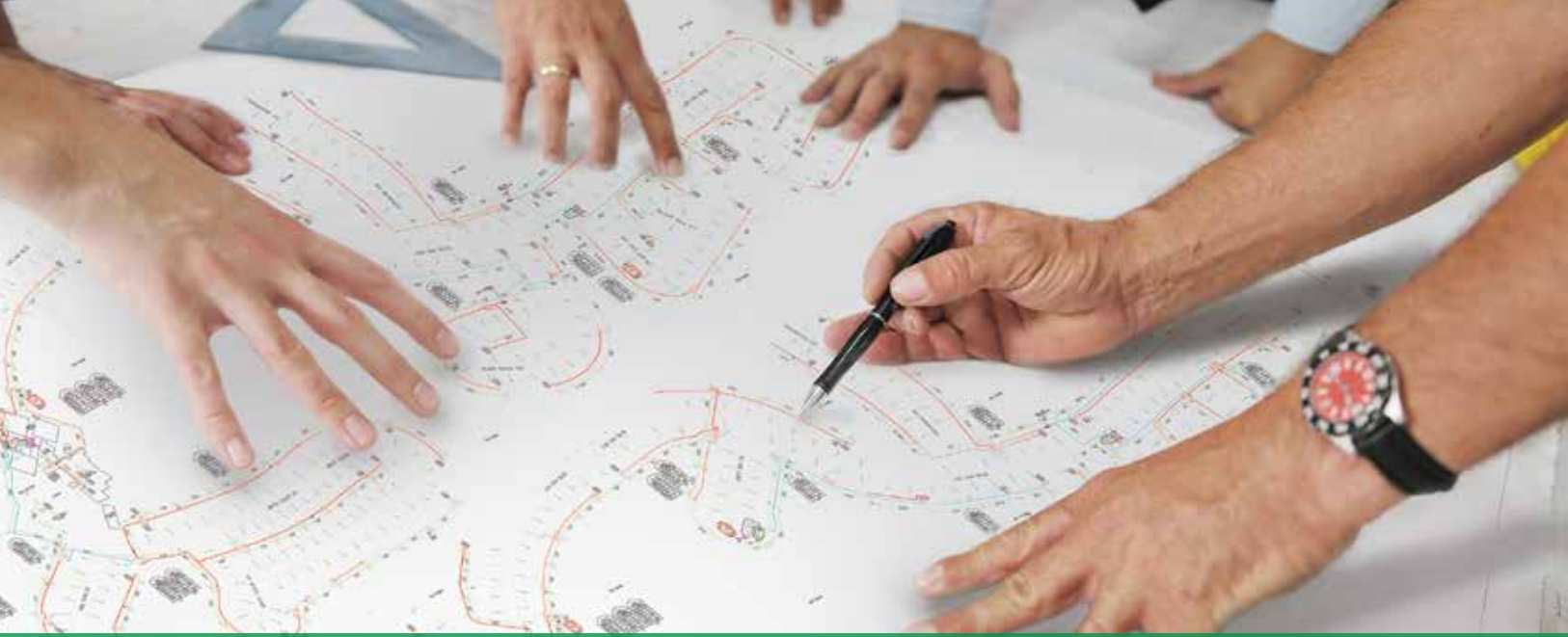
CORNING

# HFC, Satellite and Wireless Networks

Core Products EMEA

# RF Innovations Overview





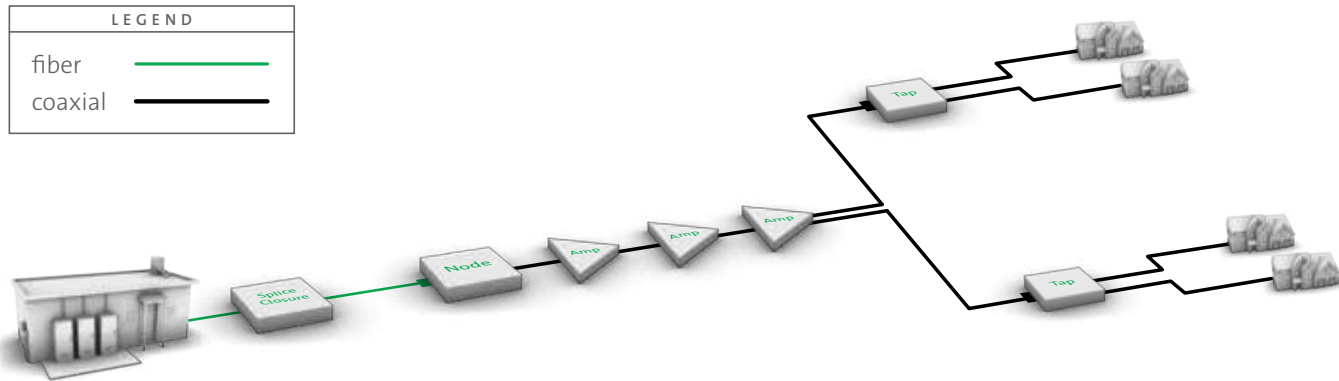
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Corning offers a comprehensive line of hardline and drop connectors, and accessories, for cable television and broadband communications systems. Our product portfolio addresses the challenges installers face in the field, from physical barriers around installation sites to adverse weather conditions. That's why our products are built with features that enable fast and easy installation, such as compression connectors requiring a low activation force. Additionally, many of our drop connectors are also weather-resistant and can be used both indoors and outdoors to reduce the need to stock multiple designs.

# HFC Network Architecture

In HFC applications like fiber deep or node+X, the RF connectivity choices you make at your headend, node, amp, and tap can dramatically impact your network's bottom line starting on day one and extending throughout its lifespan. We address your specific needs through a comprehensive portfolio of two-piece and three-piece hardline connectors and accessories, as well as continuity-type drop connectors.



# New Product Releases

## Corning® TrueSplit™ connectors, CATV 75 Ohm

New F and 3.5/12 adapter and jumper solutions

- 1.8 GHz minimises future CapEx and OpEx
- Smallest splitter/tap solution available
- Best shielding and noise protection in the market

## Corning® TrueLock™ connectors, CATV 75 Ohm

New 3.5/12 connectors (TL612 and TL701)

- Locking ferrule system for high installation quality
- High-tech polymer minimises noise in any environment
- Designed for maximum shielding

## Corning® TrueDrop™ connectors and jumpers

CX3™ portfolio upgrade and consolidation

- Larger conical mating surface provides better alignment and O-ring seating
- Better F male thread engagement
- Dielectric stop disables dielectric push-through
- Grooved nut for better grip, easier tightening, and quicker installation
- Wider sleeve heel provides 360° electrical contact for all cables
- Higher cable torsion and straight knurling for improved grip and installation
- A++ jumper shielding

## Satellite Products

Self-install auto-compression connector upgrade and consolidation

- Larger conical mating surface provides better tap alignment and O-ring seating
- Better F male thread engagement
- Dielectric stop disables dielectric pushed through
- New, finger-friendly grooved nut design for easier tightening

## Double Click wireless connectors, 50 Ohm

New 4.3/10 connectors (1/4-in, 1 15/8-in, and 1 1/4-in)

- 90-second installation time with High Quality tooling
- Dual Grip on outer conductor allows a more stable connection for the best passive intermodulation (PIM) performance
- White bronze plating on inner conductors provide excellent corrosion resistance



# Corning® TrueSplit™ Portfolio

- TrueSplit connector (CTSC) is a standard hardline TrueLock connector with a 2/3/4 way splitter/ tap with F ports integrated into the head
- TrueSplit adapter (CTSA) is a splitter/ tap with one F or 3.5/12 F input port and 2/3/4 output F ports
- TrueSplit jumper (CTSJ) is standard TrueSplit connector with a pre-assembled 0.5 m RG6 cable input with F male Corning® TrueDrop™ connector and 2/3/4 output F ports

# TrueSplit™ Portfolio

## Value Prop

- Future-ready for enhanced DOCSIS 3.1+ full duplex applications
- 5 MHz to 1.8 GHz enables future CapEx & OpEx savings
- Smallest splitter/tap solution = less space needed
- Best shielding of minimum A++ and noise protection in the market
- NiTin-6™ plated brass housing
- Circular design enables optimal port access and achieves most equal signal distribution possible
- Insulation between output ports = reduced “cross-talk”
- Moisture-protected ports
- Less components = less stock
- Indoor, outdoor, and underground applicable
- No new installation tools or training needed
- Power through up to 2 ampere available

**Best shielding >A++ and noise protection  
intermodulation < -115 dBc in the market**

**Minimalistic design requires the least space while  
maximizing long-term performance**

**High-precision CNC-produced brass NiTin-6™ plated body  
and F Female ports enable optimal signal transmission**



For more Information  
please go to our website:  
[www.corning.com/emea/en/truesplit](http://www.corning.com/emea/en/truesplit)

# TrueSplit™ Portfolio – What's new?

## Customer Solutions

Generally:

- Network noise reduction
- Power for amplifiers reduceable
- All F female ports water sealed



### TrueSplit Connector (CTSC)

- Connect splitter and tap directly to the trunk line cable
- Available for most common cables



### TrueSplit Adapter (CTSA)

- Utilise existing Corning® TrueLock™ connectors
- F female and 3.5/12 F interface available
- 2-, 3-, and 4-way splitters/taps are available for each



### TrueSplit Jumper (CTSJ)

- Plug-and-play solution
- Factory installed on A+ cable



### Wall-Mount Clip for TrueSplit Portfolio

- One single metal clip on/off for all TrueSplit types
- Item number 98400000



# TrueSplit™ Connectors

Cable Type/Interface	CTSC-02	CTSC-02-P	CTSC-1-6-P	CTSC-1-8-P	CTSC-1-10-P	CTSC-1-12-P	CTSC-1-16-P	CTSC-1-20-P	CTSC-1-24-P	CTSC-1-30-P
Description	SPLITTER 2-WAY	SPLITTER 2-WAY-2A	TAP 1-6dB-2A	TAP 1-8dB-2A	TAP 1-10dB-2A	TAP 1-12dB-2A	TAP 1-16dB-2A	TAP 1-20dB-2A	TAP 1-24dB-2A	TAP 1-30dB-2A
-TL101	13010120	13010121	13011106	13011108	13011110	13011112	13011112	13010120	13010124	13010130
-TL121	13021220	13021221	13212106			13212112		13212120		
-TL232	13023220	13023221	13232106	13232108	13232110	13232112	13232116	13232120	13232124	13232130
-TL244	13024420	13024421	13244106			13244112		13244120		
-TL303	13030320	13030321	13030106	13030108	13030110	13030112	13030116	13030120	13030124	13030130
-TL444	13044420	13030321	13444106	13444108	13444110	13444112	13444116	13444120	13444124	13444130
-TL505	13050520	13050521	13050106			13050512		13050520		
-TL525	13052520	13052521	13525106	13525108	13525110	13525112	13525116	13525120	13525124	13525130
-TL540TI	13054020	13054021	13540106	13540108	13540110	13540112	13540116	13540120	13540124	13540130
-TL655	13065520	13065521	13655106	13655108	13655110	13655112	13655116	13655120	13655124	13655130
-TL787TI	13078720	13078721	13787106	13787108	13787110	13787112	13787116	13787120	13787124	13787130
-TL828	13082820	13082821	13828106	13828108	13828110	13828112	13828116	13828120	13828124	13828130

TS = TrueSplit is available for all other Corning® TrueLock™ types not listed, but upon request



13052520

Cable Type/Interface	CTSC-03	CTSC-2-8-P	CTSC-2-10-P	CTSC-2-12-P	CTSC-2-16-P	CTSC-2-20-P	CTSC-2-24-P	CTSC-2-28-P
Description	SPLITTER 3-WAY	TAP 2-8dB-2A	TAP 2-10dB-2A	TAP 2-12dB-2A	TAP 2-16dB-2A	TAP 2-20dB-2A	TAP 2-24dB-2A	TAP 2-28dB-2A
-TL101	13010130	13010208	13010210	13010212	13010212	13010220	13010224	13010228
-TL121	13021230	13010208		13212212		13212220		
-TL232	13023230	13232208	13232210	13232212	13232216	13232220	13232224	13232228
-TL244	13024430	13244208		13244212		13244220		
-TL303	13030330	13030320	13030320	130303212	130303216	130303220	130303224	130303228
-TL444	13044430	13444208	13444210	13444212	13444216	13444220	13444224	13444228
-TL505	13050530	130505208		130505212		130505220		
-TL525	13052530	13525208	13525210	13525212	13525216	13525220	13525224	13525228
-TL540TI	13054030	13540208	13540210	13540212	13540216	13540220	13540224	13540228
-TL655	13065530	13655208	13655210	13655212	13655216	13655220	13655224	13655228
-TL787TI	13078730	13787208	13787210	13787212	13787216	13787220	13787224	13787228
-TL828	13082830	13828208	13828210	13828212	13828216	13828220	13828224	13828228

TS = TrueSplit is available for all other TrueLock types not listed, but upon request



13052530

Cable Type/Interface	CTSC-04	CTSC-4-10*	CTSC-4-12*
Description	SPLITTER 4-WAY	TAP 4-10dB	TAP 4-12dB
-TL101	13010140	13010140	13828410
-TL121	13021240		13212412
-TL232	13023240	13232410	13232412
-TL243	13024340		
-TL244	13024440		13244412
-TL303	13030340	13030340	130303412
-TL313	13031340		
-TL444	13044440	13444410	13444412
-TL505	13050540		130505412
-TL525	13052540	13525410	13525412
-TL540TI	13054040	13540410	13540412
-TL655	13065540	13655410	13655412
-TL787TI	13078740	13787410	13787412
-TL828	13082840	13828410	13828412

TS = TrueSplit is available for all other TrueLock types not listed, but upon request

\* Four-way TAP (internally terminated, no OUT port)



13052540

# TrueSplit™ Adapters – F Female

Item no.	Name	Description	60V 2A Power-Through
13000120	CTSA-02-FF	SPLITTER 2-WAY	
13000122	CTSA-02-P-FF	SPLITTER 2-WAY-2A	✓
13001060	CTSA-1-6-P-FF	TAP 1-6dB-2A	✓
13001080	CTSA-1-8-P-FF	TAP 1-8dB-2A	✓
13001100	CTSA-1-10-P-FF	TAP 1-10dB-2A	✓
13001120	CTSA-1-12-P-FF	TAP 1-12dB-2A	✓
13001160	CTSA-1-16-P-FF	TAP 1-16dB-2A	✓
13001200	CTSA-1-20-P-FF	TAP 1-20dB-2A	✓
13001240	CTSA-1-24-P-FF	TAP 1-24dB-2A	✓
13001300	CTSA-1-30-P-FF	TAP 1-30dB-2A	✓



13000120

Item no.	Name	Description	60V 2A Power-Through
13000130	CTSA-03-FF	SPLITTER 3-WAY	
13002080	CTSA-2-8-P-FF	TAP 2-8dB-2A	✓
13002100	CTSA-2-10P-FF	TAP 2-10dB-2A	✓
13002120	CTSA-2-12P-FF	TAP 2-12dB-2A	✓
13002160	CTSA-2-16P-FF	TAP 2-16dB-2A	✓
13002200	CTSA-2-20P-FF	TAP 2-20dB-2A	✓
13002240	CTSA-2-24P-FF	TAP 2-24dB-2A	✓
13002280	CTSA-2-28P-FF	TAP 2-28dB-2A	✓



13000120

Item no.	Name	Description	
13000140	CTSA-04-FF	SPLITTER 4-WAY	
13004100	CTSA-4-10-FF	TAP 4-10dB	*
13004120	CTSA-4-12-FF	TAP 4-12dB	*

\*Four-way TAP (internally terminated, no OUT port)



13000120

# TrueSplit™ Adapters – 3.5/12F

Item no.	Name	Description	60V 2A Power-Through
12000120	CTSA-02-3.5/12F	SPLITTER 2-WAY	
12000122	CTSA-02-P-3.5/12F	SPLITTER 2-WAY-2A	√
12001060	CTSA-1-6-P-3.5/12F	TAP 1-6dB-2A	√
12001080	CTSA-1-8-P-3.5/12F	TAP 1-8dB-2A	√
12001100	CTSA-1-10-P-3.5/12F	TAP 1-10dB-2A	√
12001120	CTSA-1-12-P-3.5/12F	TAP 1-12dB-2A	√
12001160	CTSA-1-16-P-3.5/12F	TAP 1-16dB-2A	√
12001200	CTSA-1-20-P-3.5/12F	TAP 1-20dB-2A	√
12001240	CTSA-1-24-P-3.5/12F	TAP 1-24dB-2A	√
12001300	CTSA-1-30-P-3.5/12F	TAP 1-30dB-2A	√



12000120

Item no.	Name	Description	60V 2A Power-Through
12000130	CTSA-03-3.5/12F	SPLITTER 3-WAY	
12002080	CTSA-2-8-P-3.5/12F	TAP 2-8dB-2A	√
12002100	CTSA-2-10-P-3.5/12F	TAP 2-10dB-2A	√
12002120	CTSA-2-12-P-3.5/12F	TAP 2-12dB-2A	√
12002160	CTSA-2-16-P-3.5/12F	TAP 2-16dB-2A	√
12002200	CTSA-2-20-P-3.5/12F	TAP 2-20dB-2A	√
12002240	CTSA-2-24-P-3.5/12F	TAP 2-24dB-2A	√
12002280	CTSA-2-28-P-3.5/12F	TAP 2-28dB-2A	√



12000130

Item no.	Name	Description	60V 2A Power-Through
12000140	CTSA-04-3.5/12F	SPLITTER 4-WAY	
12004100	CTSA-4-10-3.5/12F	TAP 4-10dB	*
12004120	CTSA-4-12-3.5/12F	TAP 4-12dB	*



12000140

\*Four-way TAP (internally terminated, no OUT port)

# TrueSplit™ Jumpers – F Male

Item no.	Name	Description	60V 2A Power-Through
14920005	CTSJ-02-FM/B/0.5	FM-CXJ6A+2 WAY SPLITTER/B/0.5	
14921005	CTSJ-02-P-FM/B/0.5	FM-CXJ6A+2-P WAY SPLITTER/B/0.5	✓
14110605	CTSJ-1-6-P-FM/B/0.5	FM-CXJ6A+TAP 1-6dB/B/0.5	✓
14110805	CTSJ-1-8-P-FM/B/0.5	FM-CXJ6A+TAP 1-8dB/B/0.5	✓
14111005	CTSJ-1-10-P-FM/B/0.5	FM-CXJ6A+TAP 1-10dB/B/0.5	✓
14111205	CTSJ-1-12-P-FM/B/0.5	FM-CXJ6A+TAP 1-12dB/B/0.5	✓
14111605	CTSJ-1-16-P-FM/B/0.5	FM-CXJ6A+TAP 1-16dB/B/0.5	✓
14112005	CTSJ-1-20-P-FM/B/0.5	FM-CXJ6A+TAP 1-20dB/B/0.5	✓
14112405	CTSJ-1-24-P-FM/B/0.5	FM-CXJ6A+TAP 1-24dB/B/0.5	✓
14113005	CTSJ-1-30-P-FM/B/0.5	FM-CXJ6A+TAP 1-30dB/B/0.5	✓



14920005

Item no.	Name	Description	60V 2A Power-Through
14930005	CTSJ-03-FM/B/0.5	FM-CXJ6A+ 3 WAY SPLITTER/B/0.5	
14120805	CTSJ-2-8-P-FM/B/0.5	FM-CXJ6A+TAP 2-8dB/B/0.5	✓
14121005	CTSJ-2-10-P-FM/B/0.5	FM-CXJ6A+TAP 2-10dB/B/0.5	✓
14121205	CTSJ-2-12-P-FM/B/0.5	FM-CXJ6A+TAP 2-12dB/B/0.5	✓
14121605	CTSJ-2-16-P-FM/B/0.5	FM-CXJ6A+TAP 2-16dB/B/0.5	✓
14122005	CTSJ-2-20-P-FM/B/0.5	FM-CXJ6A+TAP 2-20dB/B/0.5	✓
14122405	CTSJ-2-24-P-FM/B/0.5	FM-CXJ6A+TAP 2-24dB/B/0.5	✓
14122805	CTSJ-2-28-P-FM/B/0.5	FM-CXJ6A+TAP 2-28dB/B/0.5	✓



14930005

Item no.	Name	Description	
14940005	CTSJ-04-FM/B/0.5	FM-CXJ6A+4 WAY SPLITTER/B/0.5	
14141005	CTSJ-4-10-FM/B/0.5	FM-CXJ6A+TAP 4-10dB/B/0.5	*
14141205	CTSJ-4-12-FM/B/0.5	FM-CXJ6A+TAP 4-12dB/B/0.5	*

\*Four-way TAP (internally terminated, no OUT port)



14940005



# Corning® TrueLock™ Portfolio

Covering most standard global cable manufacturers, our TrueLock portfolio is available in all IEC & SCTE standard interfaces

# TrueLock™ Portfolio

## Value Prop

Performing to 3 GHz & minimising loss and maximum shielding – the TrueLock locking system is ready for DOCSIS 3.1+ full duplex



TrueLock locking system | ZA-3955



Rounded tabs in the locking system design provide proper seating | ZA-3954

## TrueLock Connector Interfaces

Same industry-standard interfaces will be available on the TrueLock range as in previous Corning connector offerings

3.5/12M	3.5/12F	5/8M	5/8MU	FM
FF	IEC14M	IEC14F	PG11MU	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 intermodulation distortion (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

# TrueLock™ Portfolio – What's new ?

## TrueLock™ connectors, CATV 75 Ohm

New 3.5/12 connectors (TL612 and TL701)

- Locking ferrule system for high installation quality
- High-tech polymer minimises noise in any environment
- Designed for maximum shielding

## TrueLock connectors, tools, and accessories for our customers










Product Name	Item No.	Item Description
3.5/12F-TL515	51051500-01	TrueLock connector
3.5/12M-TL730TI	49073002-02	TrueLock connector
FM-TL3125TI	53031200-01	TrueLock connector
IEC14M-TL121	45012100-01	TrueLock connector
DUALSTRIP TOOL TL404 (SLT)	98640400	TrueLock tool
SR TL101-TL244	33003919	TrueLock connector
5/8M-TL540TI-S	57054004	TrueLock connector



28052575

# TrueLock™ Portfolio – General Specification

- A design requiring less torque to tighten to a full mechanical stop, which is especially useful in tight or difficult installation sites
- A locking mechanism that prevents the cable from turning when tightening the backnut
- A unique two-piece design that helps ensure correct pressure when tightening the connector
- No additional training required for installers

Technical Data Interface Type	Splice Connector and Reducer	IEC14 Connector		3.5/12 Connector		F Connector		5/8 + PG11 Male Pin — with (MU) or without swivel nut (M)	
									
Transfer Impedance (CoMeT) 5-30 MHz	Class A++	Class A++	Class A++	Class A++	Class A++	Class A++	Class A++	Class A++	Class A++
Screening Attenuation (CoMeT) 30-3,000 MHz	Class A++	Class A++	Class A++	Class A++	Class A++	Class A++	Class A++	Class A++	Class A++
Intermodulation 3rd Order @ 2 x 37 dBm	< -160 dBc	< -160 dBc	< -160 dBc	< -160 dBc	< -160 dBc	< -160 dBc	< -160 dBc	< -160 dBc	< -160 dBc
Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hour	IP X8 30 meter / 8 hour	IP X8 30 meter / 8 hour	IP X8 30 meter / 8 hour	IP X8 30 meter / 8 hour	IP X8 30 meter / 8 hour	IP X8 30 meter / 8 hour	IP X8 30 meter / 8 hour	IP X8 30 meter / 8 hour
Return Loss @ 1.0 GHz	< -30 dB	< -25 dB	< -25 dB	< -35 dB	< -30 dB	< -30 dB	< -30 dB	< -30dB	< -30dB
Return Loss @ 2.0 GHz	< -20 dB	< -25 dB	< -25 dB	< -30 dB	< -30 dB	< -30 dB	< -30 dB	< -28dB	< -28dB
Return Loss @ 3.0 GHz	< -20 dB	< -20 dB	< -20 dB	< -30 dB	< -30 dB	< -28 dB	< -28 dB	< -25dB	< -25dB
Insertion Loss @ 1.0 GHz	< -0,10 dB	< -0,20 dB	< -0,20 dB	< -0,08 dB	< -0,10 dB	< -0,10 dB	< -0,10 dB	< -0,10dB	< -0,10dB
Insertion Loss @ 2.0 GHz	< -0,10 dB	< -0,20 dB	< -0,20 dB	< -0,08 dB	< -0,10 dB	< -0,10 dB	< -0,10 dB	< -0,10dB	< -0,10dB
Insertion Loss @ 3.0 GHz	< -0,12 dB	< -0,20 dB	< -0,20 dB	< -0,10 dB	< -0,12 dB	< -0,12 dB	< -0,12 dB	< -0,12dB	< -0,12dB
Amp Rating @ 20°C Increase	21A	10A	10A	18A	7A	7A	7A	21A	21A
Maximum Tensile Strength	> 50% better than cable spec.	> 50% better than cable spec.	> 50% better than cable spec.	> 50% better than cable spec.	> 50% better than cable spec.	> 50% better than cable spec.	> 50% better than cable spec.	> 50% better than cable spec.	> 50% better than cable spec.

General connector performance may change depending on cable type



# TrueLock™ Connectors

Cable Type/ Interface	Splicer	IEC14M	IEC14F/PG11	3.5/12M	3.5/12F	FM	FF	5/8M	5/8MU	PG11M	PG11MU
-TL101	31000101-02			49010100-01		53010100-02		57010100-01		63010100-01	
-TL111	31000111-02			49011100-01		53011100-01					
-TL121	31000121-02	45012100-01		49012100-01		53012100-01		57012100-01			
-TL202	31000202-01	45020200-01	47020200-01	49020200-01	51020200-01	53020200-01	55020200-01	57020200-01	57020210-01	63020200-01	63020215-01
-TL202FI						53020201-01					
-TL205				49020500-01				57020504-01			
-TL212	31000212-01	45021200-01		49021200-02		53021200-01	55021200-01	57021204-01		63021200-01	63021214-01
-TL220STI				49022001-02		53022000-03		57022000-03			
-TL222	31000222-02			49022200-02		53022200-02		57022200-02			
-TL232	31000232-01	45023200-01		49023200-02	51023200-01	53023200-01	55023205-01	57023204-01	57023214-01	63023200-01	63023214-01
-TL243	31000243-01	45024300-01		49024300-01		53024300-01	55024300-01	57024304-01			
-TL244	31000244-01	45024300-01		49024400-01		53024400-02	55024400-01	57024404-01			63024414-01
-TL245				49024500-01		53024500-01					
-TL246						53024600-01					
-TL250TI				49025002-01				57025002-01			
-TL303	31000303-01	45030300-01	47030300-01	49030300-02	51030300-01	53030300-02	55030300-01	57030304-01	57030314-01	63030304-01	
-TL303TI				49030312-01							
-TL306FI				49030601-01				57030601			
-TL309	31000309-01			49030900-01		53030900-01		57030900-01			
-TL312STI						53031200-01					
-TL313	31000313-01	45031300-01		49031300-01		53031300-01		57031304-01		63031300-01	
-TL319TI	31020319-01	45031902-01		49031902-01		53031902-01	55031902-01	57031902-01			
-TL322				49032200-01							
-TL343TI				49034302-01	51041300-01	53034300-01					
-TL363	31000363-01			49036300-01		53036300-01	55036300-01	57036303-01		63036304-01	
-TL383STI				49038300-01		53038300-01					
-TL402				49040200-01	51041800-01	53040200-01					
-TL404	31000404-01	45040400-01		49040400-01		53040400-01	55040400-01	57040404-01			



31000525



45052500-01



31000616-01 Splice



49038300-01 M



53030300-02 F

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

# TrueLock™ Connectors

Cable Type/ Interface	Splicer	IEC14M	IEC14F/PG11	3.5/12M	3.5/12F	FM	FF	5/8M	5/8MU	PG11M	PG11MU
-TL406				49040600-01				57040604-01			
-TL412									57041214-01		
-TL413	31000413-01			49041300-01	51041300-01	53041300-01	55041300-01	57041304-01	57041317-01		63041314-01
-TL414	31000414-01	45041400-01		49041400-01		53041400-02	55041400-01	57041404-01		57052510-01	
-TL4175TI				49041701-01							
-TL418				49041800-01	51041800-01						
-TL419TI	31020419-01	45041902-01		49041902-01		53041902-01	55041902-01	57041902-01			
-TL424	31000424-01	45042400-01		49042400-02		53042400-01	55042400-01	57042404-02			
-TL424FI				49042401-01							
-TL427				49042700-01		53042700-01	55042700-01	57042711-01			
-TL434TI		45043402-01		49043402-01					57043417-01		
-TL441TI		45044102-01		49043402-01							
-TL444	31000444-01	45044400-01		49044400-02		53044400-01	55044400-01	57044404-01			
-TL470TI				49047002-01							
-TL4945TI	31010494-01			49049400-01		53049405-01	55049400-01	57049404-01			
-TL494TI				49049402-01							
-TL501				49050100-01							
-TL502				49050200-01							
-TL505	31000505-01			49050500-02		53050500-01	55050500-01				63050514-01
-TL505TI	31021505-01	45050502-01		49050502-02		53050502-01	55050502-01		57050517-01		
-TL506TI	31020506-01			49050602-01				57050602-02			
-TL515	31000515-01	45051500-01	47051500-01	49051500-02	51051500-01	53051500-02		57051504-01			
-TL5175TI				49051700-01		53051700-01		57051700-01			
-TL525	31000525-01	45052500-01	47052500-01	49052500-02	51052500-01	53052500-01	55052500-01	57052500-01	57052510-01		63052514-01
-TL530TI				49053002-01							
-TL540TI	31030540			49054003-02		53054003-01	55054003	57054003-01	57054013-01		
-TL540TI SH	31020540			49054002-01		53054002-01		57054002-01	57054012-01		
-TL606				49060600-01							



31000525



45052500-01



31000616-01 Splice



49038300-01 M



53030300-02 F

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

# TrueLock™ Connectors

Cable Type/ Interface	Splicer	IEC14M	IEC14F/PG11	3.5/12M	3.5/12F	FM	FF	5/8M	5/8MU	PG11M	PG11MU
-TL609TI	31020609-01			49060902-01				57060904-01			
-TL610TI				49061002-01		53061002-01		57061002-01			
-TL611STI				49061102-01		53061102-01		57061100-01			
-TL612		45061200-01	47061200-01	49061200-01	51061200-01						
-TL616	31000616-01	45061600-01	47061600-02	49061600-01		53061600-01		57061600-01	57061614-01		
-TL619TI	31020619-01			49061902-01				57061902-01			
-TL626	31000626-01			49062600-01				57062600-01			
-TL636	31000636-01			49063600-01				57063600-01			
-TL646	31000646-01			49064600-01		53064600-01	55064600-01	57064600-01	57064614-01		
-TL655	31000655-01			49065500-01		53065500-01	55065500-01				
-TL666TI				49066602-02				57066614-01			
-TL676	31000676-01			49067600-01			55067600-01				
-TL696STI				49069603-01							
-TL701				49070100-02							
-TL702TI				49070202-02							
-TL703STI				49070300-03							
-TL706STI				49070601-02				57070601-01			
-TL707				49070700-02				57070700-01			
-TL707TI				49070702-02				57070707-01			
-TL711STI				49071102-01							
-TL717				49071700-02							
-TL719TI								57071904-01			
-TL730TI				49073002-02							
-TL787TI	31020787-01			49078702-02				57078707-01	57078717-01		
-TL797TI				49079702-02							
-TL802STI				49080205-02							
-TL808				49080800-02							
-TL828	31000828-02			49082800-02				57082814-02			
-TL830TI				49083002-02							
-TL838TI				49083802-01							
-TL858				49085800-02							
-TL888TI				49088802-02							
-TL898TI				49089802-02							



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45052500-01



31000616-01 Splice



49038300-01 M



53030300-02 F

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

# TrueLock™ Splice Reducers

Cable Type	Cable Type SR	Item #	Name
K-UNIV 51/8.8	-TL202	3300210-01	SR 56-UNIV 51/8.8-TL202
-TL101	-TL111	33000500-02	SR TL101-TL111
	-TL202	33001000-01	SR TL101-TL202
	-TL212	33002000-01	SR TL101-TL212
	-TL232	33003200-01	SR TL101-TL232
	-TL243	33003915-01	SR TL101-TL243
	-TL303	33004000-01	SR TL101-TL303
	-TL404	33007000-01	SR TL101-TL404
	-TL413	33010700-01	SR TL101-TL413
	-TL444	33010708	SR TL101-TL444
	-TL505	33011000-01	SR TL101-TL505
	-TL525	33013000-01	SR TL101-TL525
	-TL646	33019000-01	SR TL101-TL646
	-TL655	33014500-01	SR TL101-TL655
-TL111	-TL202	33026040-01	SR TL111-TL202
-TL202	-TL212	33026500-01	SR TL202-TL212
	-TL232	33026650-01	SR TL202-TL232
	-TL303	33027000-01	SR TL202-TL303
-TL212	-TL313	33028000-01	SR TL202-TL313
	-TL232	33071295-01	SR TL212-TL232
-TL212	-TL505	33058000-01	SR TL212-TL505
	-TL636	33064500-01	SR TL212-TL636

Cable Type/ Interface	Cable Type SR	Item #	Name	
-TL232	-TL246	33071380-01	SR TL232-TL246	
	-TL303	33071650-01	SR TL232-TL303	
	-TL363	33071700-01	SR TL232-TL363	
	-TL404	33072000-01	SR TL232-TL404	
	-TL413	33072358-01	SR TL232-TL413	
	-TL444	33072350-01	SR TL232-TL444	
	-TL506T1	35007505-01	SR TL232-TL506T1	
	-TL525	33072550-01	SR TL232-TL525	
	-TL540T1	35007500-01	SR TL232-TL540T1	
	-TL646T1	33072595-01	SR TL232-TL646	
	-TL676	33072598-01	SR TL232-TL676	
	-TL243	-TL232	33071296-01	SR TL243-TL232
	-TL244	-TL413	33071331-01	SR TL243-TL413
-TL212		33026640-01	SR TL244-TL212	
-TL303	-TL232	33026654-01	SR TL244-TL232	
	-TL404	33073000-01	SR TL303-TL404	
-TL313	-TL413	33076500-01	SR TL303-TL413	
	-TL303	33072670-01	SR TL313-TL303	
-TL404	-TL414	33095000-01	SR TL313-TL414	
-TL414	-TL413	33112020-01	SR TL404-TL413	
-TL515	-TL424	33119500-01	SR TL414-TL424	
-TL525	-TL616	33130600-01	SR TL515-TL616	
	-TL303	33079000-01	SR TL303-TL525	
	-TL646	33132400-01	SR TL525-TL646	



33064500-01

Corning Optical Communications

RF Solutions Catalogue | CRR-681-BEN | 20

# TrueLock™ Tools

- DualStrip™ tool
- Coring and stripping tool
- Torque wrench
- Conductor cleaner
- Installation tools available for all hardline connectors



28052575



98107300-01



98107300-01A

Product Name/Type	Part Number
Coring and Stripping Tool -TL319TI	98103060-01
Coring and Stripping Tool -TL494 TI	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 19/6-75S 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

# TrueLock™ Portfolio – Supported Cable Brands

## Compatibility 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 Solutions	Condumex Inc.	ITC Thermo Cable GmbH	SAT World
Andrew Cables	Czech Cable	Kabelwerk Eupen AG	Satlan
Axing AG	Delta Group	Kabel Rheydt (Nexan)	Siemens
Becker Varis	DKT Comega	Katherein	Sytronic Kabel GmbH
Bedeia	Draka Comteq B.V.	Klas Kablo	TechniSat
Belden	Dätwyler	Leoni AG	Tianjie Cable
Beta LaserMike (NDC Technologies)	EET Europarts	Macab	TKF Connectivity Solutions
Beta Cavi	Ericsson	NEK Kabel AS	Triax
Bieffe Cavi	F&G	Nexans	Trilogy Communications
Bosch	FMC	Nexans Schweiz AG	Vacha Kabel GmbH
Braun teleCom GmbH	Fracarro	NK Communications	Volex
Cablerie Seneffoise	Francofa Eurodis	NK Networks	Webro
CAE Group	Fuba	NKF Kabel B.V.	Wilhelm Sihh Jr. GmbH
Cavel	Fujikura	NKT Cables	Witronic AG
Cavi Europack	G.ecol.cables S.r.l.	Nordix S. A.	
	Hansen Technology Co. Ltd	Ören Kablo	
	Hirschmann	Pirelli	



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

1. Click here: [www.corning.com/emea/cabelcon/search](http://www.corning.com/emea/cabelcon/search)
2. Contact our customer care centre (See page 47)  
+ 45 55 98 55 99  
[cc.emea@corning.com](mailto:cc.emea@corning.com)

# Hardline Jumpers HFX2

## Features

- A++ shielding
- Available with Corning® TrueLock™ 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
- HFX2 jumpers, available from 0.3 m to 10 m

## 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

Any combination of the interfaces shown are available in any jumper type and length. Please contact our customer care centre. See page 45.

## 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	0.3-3000 MHz
Impedance (nominal)	75 Ohm
Amp. Rating: (measured)	12.5 A @ 10°C increase
(calculated)	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	-28.6 dB
500-860 MHz	-28.4 dB
860-1000 MHz	-27.1 dB
Temperatures	
Installation:	5°C to +50°C
Operation:	-40°C to IPX8
Storage:	-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

# Hardline Jumpers HFX

## HFX2 jumper with interfaces according to IEC standards

Item no.	Name	Interface 1	Interface 2	Length
93454507-03	IEC14M-CXJHFX2-IEC14M/0.7	IEC14M	IEC14M	0.7 m
93454508-03	IEC14M-CXJHFX2-IEC14M/0.8	IEC14M	IEC14M	0.8 m
93454520-03	IEC14M-CXJHFX2-IEC14M/2.0	IEC14M	IEC14M	2.0 m
93494507-04	3.5/12M-CXJHFX2-IEC14M/0.7	3.5/12M	IEC14M	0.7 m
93494510-03	3.5/12M-CXJHFX2-IEC14M/1.0	3.5/12M	3.5/12M	1.0 m
93494903-04	3.5/12M-CXJHFX2-3.5/12M/0.35	3.5/12M	3.5/12M	0.35 m
93494905-04	3.5/12M-CXJHFX2-3.5/12M/0.5	3.5/12M	3.5/12M	0.5 m
93494906-04	3.5/12M-CXJHFX2-3.5/12M/0.6	3.5/12M	3.5/12M	0.6 m
93494907-04	3.5/12M-CXJHFX2-3.5/12M/0.7	3.5/12M	3.5/12M	0.7 m
93494908-04	3.5/12M-CXJHFX2-3.5/12M/0.8	3.5/12M	3.5/12M	0.8 m
93494910-04	3.5/12M-CXJHFX2-3.5/12M/1.0	3.5/12M	3.5/12M	1.0 m
93494912-04	3.5/12M-CXJHFX2-3.5/12M/1.2	3.5/12M	3.5/12M	1.2 m
93494915-04	3.5/12M-CXJHFX2-3.5/12M/1.5	3.5/12M	3.5/12M	1.5 m
93494920-04	3.5/12M-CXJHFX2-3.5/12M/2.0	3.5/12M	3.5/12M	2.0 m
93495103-04	3.5/12M-CXJHFX2-3.5/12F/0.3	3.5/12M	3.5/12F	0.3 m
93495105-04	3.5/12M-CXJHFX2-3.5/12F/0.5	3.5/12M	3.5/12F	0.5 m
93495108-04	3.5/12M-CXJHFX2-3.5/12F/0.8	3.5/12M	3.5/12F	0.8 m
93495110-04	3.5/12M-CXJHFX2-3.5/12F/1.0	3.5/12M	3.5/12F	1.0 m
93495115-04	3.5/12M-CXJHFX2-3.5/12F/1.5	3.5/12M	3.5/12F	1.5 m
93495120-04	3.5/12M-CXJHFX2-3.5/12F/2.0	3.5/12M	3.5/12F	2.0 m
93495305-04	3.5/12M-CXJHFX2-FM/0.5	3.5/12M	FM	0.5 m
93495307-04	3.5/12M-CXJHFX2-FM/0.7	3.5/12M	FM	0.7 m
93495310-04	3.5/12M-CXJHFX2-FM/1.0	3.5/12M	FM	1.0 m
93495907-04	3.5/12M-CXJHFX2-5/8F/0.7	3.5/12M	5/8F	0.7 m
93495920-04	3.5/12M-CXJHFX2-5/8F/2.0	3.5/12M	5/8F	2.0 m
93495950-04	3.5/12M-CXJHFX2-5/8F/5.0	3.5/12M	5/8F	5.0 m
93535908-03	FM-CXJHFX2-5/8F/0.8	FM	5/8F	0.8 m
93575705-03	5/8MU-CXJHFX2-5/8MU/0.5	5/8MU	5/8MU	0.5 m
93575710-03	5/8MU-CXJHFX2-5/8MU/1.0	5/8MU	5/8MU	1.0 m
93575715-03	5/8MU-CXJHFX2-5/8MU/1.5	5/8MU	5/8MU	1.5 m
93575720-03	5/8MU-CXJHFX2-5/8MU/2.0	5/8MU	5/8MU	2.0 m

Item no.	Name	Interface 1	Interface 2	Length
93575905-03	5/8MU-CXJHFX2-5/8F/0.5	5/8MU	5/8F	0.5 m
93575910-03	5/8MU-CXJHFX2-5/8F/1.0	5/8F	5/8F	1.0 m
93575915-03	5/8MU-CXJHFX2-5/8F/1.5	5/8F	5/8F	1.5 m
93575920-03	5/8MU-CXJHFX2-5/8F/2.0	5/8F	5/8F	2.0 m
93585713-03	90-5/8MU-CXJHFX2-5/8MU/L3	5/8MU	5/8MU	1.3 m
93636307-03	PG11MU-CXJHFX2-PG11MU/0.7	PG11MU	PG11MU	0.7 m



93494912-04

## HFX2 jumper with hardline Corning® TrueLock™ connectors and interfaces according to IEC standards

Item no.	Name	Interface 1 TL type	Interface 2	Length
93000331-03	JPTL202-CXJHFX2-IEC14M/0.8	TL202	IEC14M	0.8m
93000351-04	JPTL212-CXJHFX2-3.5/12M/0.35	TL212	3.5/12M	0.35m
93000352-04	JPTL419TI-CXJHFX2-3.5/12M/0.55	TL419TI	3.5/12M	0.55m
93000354-04	JPTL212-CXJHFX2-3.5/12M/0.55	TL212	3.5/12M	0.55m
93000356-04	JPTL319TI-CXJHFX2-3.5/12M/0.55	TL319TI	3.5/12M	0.55m
93000357-04	JPTL212-CXJHFX2-3.5/12M/1.7	TL212	3.5/12M	1.7m
93000359-04	JPTL303-CXJHFX2-3.5/12M/0.55	TL303	3.5/12M	0.55m
93000361-04	JPTL404-CXJHFX2-3.5/12M/0.55	TL404	3.5/12M	0.55m
93000362-04	JPTL525-CXJHFX2-3.5/12M/0.55	TL525	3.5/12M	0.55m
93000562-03	JPTL306FI-CXJHFX2-IEC14M/0.8	TL306FI	IEC14M	0.8m
93001705-04	JPTL363-CXJHFX2-3.5/12M/0.55	TL363	3.5/12M	0.55m
93001710-04	JPTL363-CXJHFX2-3.5/12M/1.0	TL363	3.5/12M	1.0m
93002005-04	JPTL636-CXJHFX2-3.5/12M/0.55	TL636	3.5/12M	0.55m
93002013-04	JPTL619TI-CXJHFX2-3.5/12M/0.55	TL619TI	3.5/12M	0.55m
93002102-03	JPTL655-CXJHFX2-IEC14M/0.7	TL655	IEC14M	0.7m
93002106-03	JPTL655-CXJHFX2-IEC14M/0.8	TL655	IEC14M	0.8m
93002305-04	JPTL616-CXJHFX2-3.5/12M/0.55	TL616	3.5/12M	0.55m
93002310-04	JPTL616-CXJHFX2-3.5/12M/1.0	TL616	3.5/12M	1.0m
93010980-03	JPTL505-CXJHFX2-PG11MU/0.7	TL505	PG11MU	0.7m
93014795-03	JPTL707-CXJHFX2-PG11MU/0.7	TL707	PG11MU	0.7m



# GRS™ & G2™ Aluminium Hardline Connectors

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



GRS Family



G2 Family

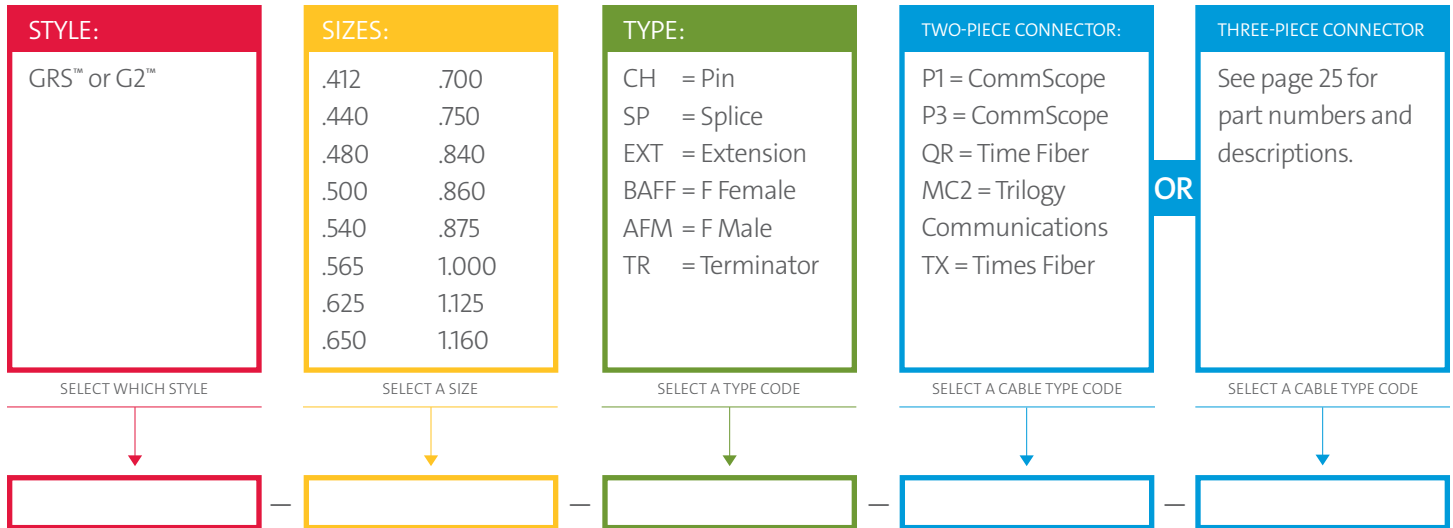
Feature	GRS (3 piece)	G2 (2 piece)
Ethylene propylene O-rings, ozone and abrasion resistant	P	P
Closing mechanism preserves reusability	P	P
Support Sleeve located in backnut reduces pullback during installation	P	P
Centre conductor cutting guide	P	P
Reduces possibility of moisture collecting	Domed Insulator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

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

# GRS™ & G2™ Aluminium Hardline Connectors

## Hardline Configurator

Corning works hard to provide tools and resources that make your jobs easier. The aluminium hardline configurator allows you to easily combine style, size, type, and cable type, creating a two-piece or three-piece hardline configurator that fits your needs.



Corning Part Number	Product Description
G2 Hardline Connectors	
G2-500-CH-P3-RH	Two-piece hardline pin connector fits .500 CommScope P-3/Times Fiber TX-10
G2-750-CH-P3-RH	Two-piece hardline pin connector fits .750 CommScope P-3/Times Fiber TX-10

Corning Part Number	Product Description
G2 Hardline Connectors	
G2-500-CH-P3	Two-piece hardline pin connector fits .500 CommScope P-3/Times Fiber TX-10
G2-750-CH-P3	Two-piece hardline pin connector fits .750 CommScope P-3/Times Fiber TX-10

Corning Part Number	Product Description
GRS Hardline Connectors	
GRS-500-CH-DU-03-T-RH	Three-piece hardline pin connector fits .500 CommScope P-3/Times Fiber TX-10
GRS-715-CH-QRP-T-RH	Three-piece hardline pin connector fits .715 CommScope QR

Corning Part Number	Product Description
GRS Hardline Connectors	
GRS-500-CH-DU-03-T	Three-piece hardline pin connector fits .500 CommScope P-3/Times Fiber TX-10
GRS-750-CH-DU-03-T	Three-piece hardline pin connector fits .750 CommScope P-3/Times Fiber TX-10



# Corning® TrueDrop™ Portfolio

## New Corning® TrueDrop™ connectors

The new family of TrueDrop connectors offers breakthrough improvements over F compression connectors, giving you less network noise, greater ease of use, and better overall reliability.

- Larger conical mating surface provides better alignment and mating quality with all ports, compared to standard connectors
- Wider sleeve heel provides 360° electrical contact for all cables
- Improved seating prevents O-ring damage pre- and post-installation and at re-installation
- Dielectric stop at F nut boosts installation quality
- Grooved nut for better grip, easier tightening, and quicker installation
- Straight knurling for improved grip on nut

# TrueDrop™ Portfolio – What's new?

## TrueDrop™ connectors and jumpers\*

CX3™ portfolio upgrade and consolidation

- Larger conical mating surface provides better alignment and O-ring seating
- Better Female thread engagement
- Dielectric stop disables dielectric push-through
- Grooved nut for better grip, easier tightening, and quicker installation
- Wider sleeve heel provides 360° electrical contact for all cables
- Higher cable torsion and straight knurling for improved grip and installation
- A++ jumper shielding



TrueDrop Connector

## Connections you can trust



99909941

\* The full volume of the TrueDrop connectors will be available from Q4 2019  
All not shown drop products will be discontinued

# TrueDrop™ Connector – F Standard Compression

## New Features / New Interface

### Improved Interface Seal

1. O-ring not damaged by thread/installation

### F Nut: larger thread engagement area and finger friendly design

1. Compensates for varying F Female thread qualities
2. More strong mechanical contact between F Female and F Male ports prevents loosening of connectors
3. Nut Design eases tightening F Nut on Port
4. F Nut tightening quality improved

### Mating Surface: Self-Centering and maximizing electrical contact

1. Compensating for varying Female surface qualities
2. Ensuring 360° RF tightness

### Dielectric Stop

1. Prevention of pass/ push through

## Benefits

### 1. Mating Surface

- a. Optimum mechanical and RF fit
  - Less maintenance calls
  - No more loose F connector
  - Best possible noise and ingress protection

### 2. F Nut

- a. Ensures high torque and low resistance
  - Less maintenance calls
  - No more loose F connector
  - Best possible noise and ingress protection

### 3. Stop

- a. Flawless installation features
  - Less maintenance calls
  - Safe installation with mechanical stop for cable

### 4. Interface Seal

- a. Improved repeat installations with seal intact
  - Best possible moisture, noise, and ingress protection

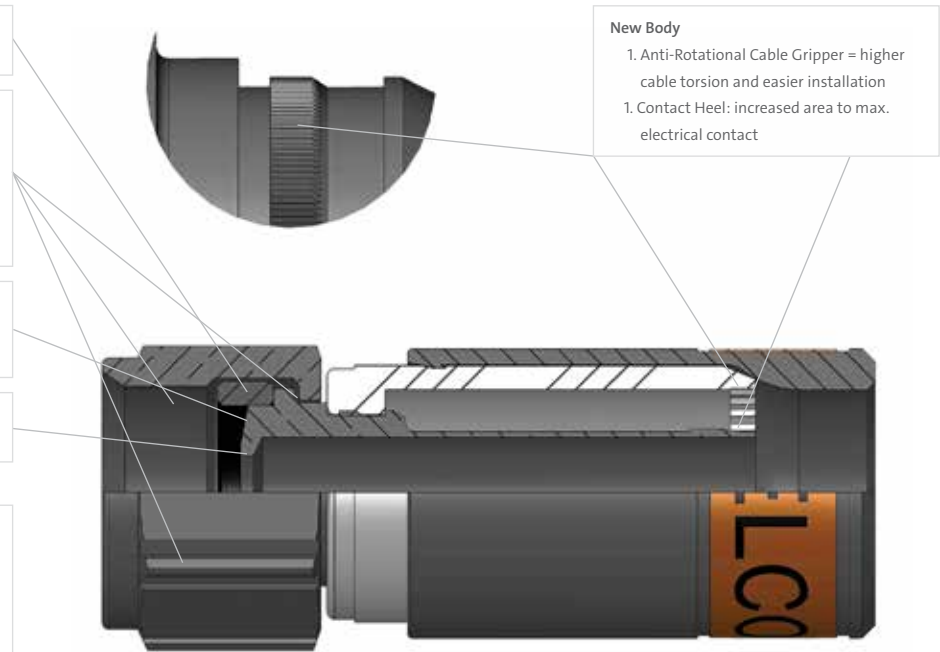
### 5. New Body

- a. New internal design improves handling and cable aging issues

## New Features / New Body

### New Body

1. Anti-Rotational Cable Gripper = higher cable torsion and easier installation
1. Contact Heel: increased area to max. electrical contact



New TD item no.	Name	Description
Heading: F Male Feed through with interface seal		
99909916	F-59-TD 3.7	for MINI RG59 cable dielectric $\phi$ . 3,4-3,5 mm
99909921	F-59-TD 3.9	for RG59 cable dielectric $\phi$ . 3,6-3,7 mm
99909935	F-59-TD 3.9 HEC	for RG59 HEC cable dielectric $\phi$ . 3,6-3,7 mm
99909941	F-6-TD 4.9	for RG6 cable dielectric $\phi$ . 4,6-4,7 mm
99909946	F-6-TD 5.1	for RG6 cable dielectric $\phi$ . 4,8-4,9 mm

# TrueDrop™ Connectors – with F QuickMount™ Compression

## New Features / New Interface

### Mating Surface: Self-Centering and maximizing electrical contact

1. Compensating for varying Female surface qualities
2. Ensuring 360° RF tightness

### F Nut: larger thread engagement area and finger friendly design

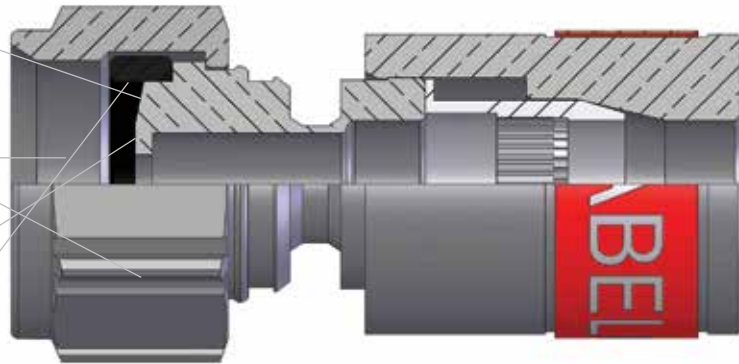
1. Compensates for varying F Female thread qualities
2. More strong mechanical contact between F Female and F Male ports prevents loosening of connectors
3. Nut design eases tightening F Nut on Port

### Dielectric Stop

1. Prevention of pass/ push through

### Improved Interface Seal

1. O-ring not damaged by thread/ installation



## Benefits

### 1. Mating Surface

- a. Optimum mechanical and RF fit
  - Less maintenance calls
  - No more loose F connector
  - Best possible noise and ingress protection

### 2. F Nut

- a. Ensures high torque and low resistance
  - Less maintenance calls
  - No more loose F connector
  - Best possible noise and ingress protection

### 3. Stop

- a. Flawless installation features.
  - Less maintenance calls
  - Safe installation with mechanical stop for cable

### 4. Interface Seal

- a. Improved repeat installations with seal intact.
  - Best possible moisture, noise and ingress protection

### 5. New Body



- a. New internal design improves handling and cable aging issues

New TD item no.	Name	Description
Heading: F Male PushPin without interface seal		
99909901	FM-MINI-TD QM 4.0 SHORT W/O-RING	for MINI 4.0 mm cable
99909902	FM-MINI-TD QM 3.1	for MINI 3.1 mm cable
99909903	FM-MINI-TD QM 4.0	for MINI 4.0 mm cable
99909904	FM-MINI-TD QM 4.5	for MINI 4.5 mm cable
99909906	FM-MINI-TD QM 5.0	for MINI/RGS9 5.0 mm cable
Heading: F Male Feed through without interface seal		
99909909	F-MINI-TD QM 4.5 SHORT W/O-RING	for MINI 4.5 mm cable
99909910	F-MINI-TD QM 5.0 SHORT W/O-RING	for MINI 5.0 mm cable
99909911	F-59-TD QM 6.0 SHORT W/O-RING	for RGS9 6.0 mm cable
99909913	F-6-TD QM 7.0 W/O O-RING	for RG6 7.0 mm cable
99909914	F-6-TD QM 7.0 SHORT W/O O-RING	for MINI 4.5 mm cable
Heading: F Male Feed through with interface seal		
99909912	F-6-TD QM 7.0	for RG6 7.0 mm cable

# TrueDrop™ Portfolio – General Specifications

## Features

- Conical Interface
- O-ring
- Grooved Nut
- Cable Gripper
- Support Sleeve: Dielectric stop and contact heel
- Enhanced F Nut thread

Technical Data*1	TrueDrop™ standard compression	TrueDrop™ QuickMount™ Connector*1
		
Transfer Impedance (CoMeT) 5-30 MHz	Class A++	Class A++
Screening Attenuation (CoMet) 30-3.000 MHz	Class A++	Class A++
Intermodulation 3rd Order @ 2 x 20 dBm	< -167 dBc	< -130 dBc
Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hour	IP X8 30 meter / 8 hour
Return Loss @ 1.0 GHz	< -39 dB	< -32 dB
Return Loss @ 2.0 GHz	< -39 dB	< -25 dB
Return Loss @ 3.0 GHz	< -39 dB	< -22 dB
Insertion Loss @ 1.0 GHz	< -0,01 dB	< -0,10 dB
Insertion Loss @ 2.0 GHz	< -0,02 dB	< -0,10 dB
Insertion Loss @ 3.0 GHz	< -0,05 dB	< -0,10 dB
Maximum tensile strength	> 50% better than cable specifications	> 50% better than cable specifications

\* Data is cable dependent

1 General connector performance may change depending on cable type

# Various Drop Connectors

## IEC & BNC Compression & SC Self Install Connectors

Item no.	Name	Description
<b>F with Standard F Nut Self-Install</b>		
99909631	F-56 4.9 Self-Install Nitin	For RG6 7.0 mm cable, with 4.6 mm dielectric
99909636	F-56 5.1 Self-Install Nitin	For RG6 7.0 mm cable, with 4.8 mm dielectric
<b>F with Standard F Nut CX3® Standard Compression</b>		
99909441-01	F-56-CX3 4.9	For RG6 7.0 mm cable, with 4.6 mm dielectric
99909581	F-56-CX3 4.9	For RG6 7.0 mm cable, with 4.6 mm dielectric
99909446-01	F-56-CX3 5.1	For RG6 7.0 mm cable, with 4.8 mm dielectric
<b>F with Standard F Nut CX3 QuickMount™ Connector</b>		
99909407-02	F-56-CX3 7.0 QM	For RG6 7.0 mm cable
99909412	F-56-CX3 7.0 QM without O-ring	For RG6 7.0 mm cable (no interface seal)
99909430	F-56-CX3 7.0 QM Short	For RG6 7.0 mm cable
<b>F with SpringConnect Self-Install</b>		
99909673	F SC-56 5.1 Self-Install	For RG6 7.0 mm cable, with 4.6-4.8 mm dielectric
<b>F with SpringConnect Standard Compression</b>		
99909549-01	F SC-56-CX3 4.9 Short	For RG6 7.0 mm cable, with 4.6 mm dielectric
<b>IEC Self-Install</b>		
99909686	IECM-56 5.1 Self-Install	For RG6 7.0 mm cable, with 4.6-4.8 mm dielectric
99909692	90-IECM-56 5.1 Self-Install	For RG6 7.0 mm cable, with 4.6-4.8 mm dielectric
99909690	IECF-56 5.1 Self-Install	For RG6 7.0 mm cable, with 4.6-4.8 mm dielectric
99909691	90-IECF-56 5.1 Self-Install	For RG6 7.0 mm cable, with 4.6-4.8 mm dielectric
<b>IEC CX3 Standard Compression</b>		
99909484-02	IECM-56-CX3 4.9	For RG6 7.0 mm cable, with 4.6 mm dielectric
99909486-02	IECM-56-CX3 5.1	For RG6 7.0 mm cable, with 4.8 mm dielectric
99909494-01	IECF-56-CX3 4.9	For RG6 7.0 mm cable, with 4.6 mm dielectric
99909496-01	IECF-56-CX3 5.1	For RG6 7.0 mm cable, with 4.8 mm dielectric
<b>BNC CX3 Standard Compression</b>		
99909475-02	BNCM-56-CX3 4.9	For RG6 7.0 mm cable, with 4.6 mm dielectric
99909476-02	BNCM-56-CX3 5.1	For RG6 7.0 mm cable, with 4.8 mm dielectric
<b>IEC Male connectors</b>		
99909482-01	IECM-59-CX3 3.9	For RG59 cable dielectric ø. 3.6-3.7 mm
99909484-02	IECM-56-CX3 4.9	For RG6 cable dielectric ø. 4.6-4.7 mm
99909486-02	IECM-56-CX3 5.1	For RG6 cable dielectric ø. 4.8-4.9 mm
99909686	IECM-56 5.1 SELF INSTALL	For RG6 cable dielectric ø. 4.6-4.9 mm



99909673



99909686



99909692



99909690



99909691



99909494-01

Item no.	Name	Description
<b>IEC Female connectors</b>		
99909492-01	IECF-59-CX3 3.9	For MINI RG59 cable dielectric ø. 3.4-3.5 mm
99909494-01	IECF-56-CX3 4.9	For RG6 cable dielectric ø. 4.6-4.7 mm
99909496-01	IECF-56-CX3 5.1	For RG6 cable dielectric ø. 4.8-4.9 mm
99909690	IECF-56 5.1 SELF INSTALL	For RG6 cable dielectric ø. 4.6-4.9 mm
<b>F Male SpringConnect</b>		
99909549-01	F SC-56-CX3 4.9 SHORT	For RG6 cable dielectric ø. 4.6-4.7 mm
99909569	F SC-56-CX3 4.9 SHORT Class A spring	For RG6 cable dielectric ø. 4.6-4.7 mm
99909673	F SC-56 5.1 SELF INSTALL	For RG6 cable dielectric ø. 4.6-4.9 mm
99909553-01	F SC-56-CX3 5.1 SHORT	For RG6 cable dielectric ø. 4.8-4.9 mm
<b>E Male connector</b>		
99909540-01	E-56-CX3 4.9	For RG6 cable dielectric ø. 4.6-4.7 mm
99909545-01	E-56-CX3 5.1	For RG6 cable dielectric ø. 4.8-4.9 mm
<b>90-degree right angle IEC Male connector</b>		
99909692	90-IECM-56 5.1 SELF-INSTALL	For RG6 cable dielectric ø. 4.6-4.9 mm
<b>90-degree right angle IEC Female connector</b>		
99909691	90-IECF-56 5.1 SELF-INSTALL	For RG6 cable dielectric ø. 4.6-4.9 mm
<b>90-degree right angle F Male connector</b>		
99530053-01	90-FM-59-ALM 3.7/6.4 HQ	For MINI RG59 cable dielectric ø. 3.4-3.5 mm
99530059-01	90-FM-56-ALM 5.1/8.4 HQ	For RG6 cable dielectric ø. 4.8-4.9 mm
99909597	90-FM-56-CX3 7.0 QM	For RG6 7.0 mm cable
<b>MCX Male connectors</b>		
99909803	MCX-60-CX3 MINI 4.0 QM	For MINI 4.0 mm cable
99909804-01	MCX-60-CX3 MINI 4.5	For MINI 4.5 mm cable
99909805	MCX-59-CX3 5.0 QM	For MINI 5.0 mm cable
<b>BNC Male connectors</b>		
99909462-01	BNCM-60-CX3 MINI 3.1	For MINI 3.1 mm cable
99909463-01	BNCM-60-CX3 MINI 4.0	For MINI 4.0 mm cable
99909464-03	BNCM-60-CX3 MINI 4.5	For MINI 4.5 mm cable
99909465-01	BNCM-60-CX3 MINI 5.0	For MINI 5.0 mm cable
99909472-02	BNCM-59-CX3 3.7	For MINI RG59 cable dielectric ø. 3.4-3.5mm
99909473-02	BNCM-59-CX3 3.9	For RG59 cable dielectric ø. 3.6-3.7mm
99909474-02	BNCM-59-CX3 3.9/HEC	For RG59 HEC cable dielectric ø. 3.6-3.7mm
99909475-02	BNCM-56-CX3 4.9	For RG6 cable dielectric ø. 4.6-4.7mm
99909476-02	BNCM-56-CX3 5.1	For RG6 cable dielectric ø. 4.8-4.9mm
99909478	BNCM-56-CX3 5.7	For RG6 cable dielectric ø. 5.4-5.5mm



# Drop Connectors for RG11 Cables

Product Type/Name	Part Number	Product Description
F Male PushPin™ System 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 System CX3 QuickMount™ Connector		
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 System 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 System 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 System 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 System 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 System CX3 QuickMount		
3.5/12M-RG11-CX3 QM 10.5	99909524-01	For RG11 10.0-10.5 mm cable
BNC Male PushPin System CX3 Standard Compression		
BNCM-RG11Q CX3 7.5	99909536-02	For RG11 10.0-10.5 mm cable
BNC Male PushPin System CX3 QuickMount		
BNCM-RG11-CX3 QM 10.5	99909541-01	For RG11 10.0-10.5 mm cable



99909510-02



99909525-02

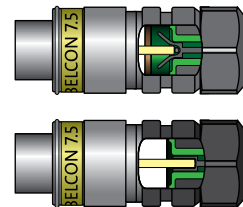


99909538-02



99909520-02

## 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 example above is our CX3 RG11 F-connector but the principle is the same for our other CX3 types.

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, and 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.

# TrueDrop™ Jumper

## New Features / New Interface

### Improved Interface Seal

1. O-ring not damaged by thread/installation

### F Nut: larger thread engagement area and finger friendly design

1. Compensates for varying F Female thread qualities
2. More strong mechanical contact between F Female and F Male ports prevents loosening of connectors
3. Nut Design eases tightening F Nut on Port
4. F Nut tightening quality improved

### Mating Surface: Self-Centering and maximizing electrical contact

1. Compensating for varying Female surface qualities
2. Ensuring 360° RF tightness

### New Body

1. Enhanced compression technology, increased contact area to max. electrical contact
1. Contact Heel: increased area to max. electrical contact

## Benefits

### 1. Mating Surface

- a. Optimum mechanical and RF fit
  - Less maintenance calls
  - No more loose F connector
  - Best possible noise and ingress protection

### 2. F Nut

- a. Ensures high torque and low resistance
  - Less maintenance calls
  - No more loose F connector
  - Best possible noise and ingress protection

### 3. Interface Seal

- a. Improved repeat installations with seal intact
  - Best possible moisture, noise, and ingress protection

### 4. New Body

- a. New compression technology, increases shielding and minimize transfer impedance, for best possible network performance



# TrueDrop™ Jumper Portfolio

## Drop Jumpers

RG59 fly leads and RG6 drop jumpers 0.2 m to 15+ m

Item #	Name	Interface 1	Interface 2	Typical Application	Length
Heading: RG59 White PVC A++ Tri-Shield Cable (Alu Foil/ Tin Plated copper Braid/ Alu Foil)					
95114010	FM-CXJ59A++-IEC14M/B/1.0	F Male	IEC14 Male	Indoor	1.0 m
95215025	FM-CXJ59A++-IECF/W/2.5	F Male	IEC Female	Indoor	2.5 m
95211005	FM-CXJ59A++-FM/W/0.5	F Male	F Male	Indoor	0.5 m
95211008	FM-CXJ59A++-FM/W/0.8	F Male	F Male	Indoor	0.8 m
95211012	FM-CXJ59A++-FM/W/1.2	F Male	F Male	Indoor	1.2 m
95211020	FM-CXJ59A++-FM/W/2.0	F Male	F Male	Indoor	2.0 m
95211030	FM-CXJ59A++-FM/W/3.0	F Male	F Male	Indoor	3.0 m
95222005	FM-SC-CXJ59A++-FM SC/W/0.5	F Male SpringConnect™	F Male SpringConnect	Indoor	0.5 m
95222015	FM-SC-CXJ59A++-FM SC/W/1.5	F Male SpringConnect	F Male SpringConnect	Indoor	1.5 m
95222020	FM-SC-CXJ59A++-FM SC/W/2.0	F Male SpringConnect	F Male SpringConnect	Indoor	2.0 m
Heading: RG6 Black PVC A++ Tri-Shield Cable (Alu Foil/ Tin Plated copper Braid/ Alu Foil)					
96411002	FM-CXJ6A++-FM/B/0.2	F Male	F Male	Indoor	0.2 m
96411003	FM-CXJ6A++-FM/B/0.3	F Male	F Male	Indoor	0.3 m
96411004	FM-CXJ6A++-FM/B/0.4	F Male	F Male	Indoor	0.4 m
96411005	FM-CXJ6A++-FM/B/0.5	F Male	F Male	Indoor	0.5 m
96490010	S/8MU-CXJ6A++-FM/S/1.0	S/8 Male (with Swivel Nut)	Open end	Outdoor	1.0 m
96408005	FM-CXJ6A++/S/B/0.5	F Male	F Female	Outdoor	0.5 m
96303006	FM-CXJ6A++-FF/S/B/0.6	F Male	F Male	Outdoor	0.6 m
96400002	FM-CXJ6A++-FM/S/B/0.2	F Male	F Male	Outdoor	0.2 m
96400003	FM-CXJ6A++-FM/S/B/0.3	F Male	F Male	Outdoor	0.3 m
96400004	FM-CXJ6A++-FM/S/B/0.4	F Male	F Male	Outdoor	0.4 m
96400005	FM-CXJ6A++-FM/S/B/0.5	F Male	F Male	Outdoor	0.5 m
96400006	FM-CXJ6A++-FM/S/B/0.6	F Male	F Male	Outdoor	0.6 m
96400007	FM-CXJ6A++-FM/S/B/0.7	F Male	F Male	Outdoor	0.7 m
96400008	FM-CXJ6A++-FM/S/B/0.8	F Male	F Male	Outdoor	0.8 m
96400010	FM-CXJ6A++-FM/S/B/1.0	F Male	F Male	Outdoor	1.0 m
96400025	FM-CXJ6A++-FM/S/B/2.5	F Male	F Male	Outdoor	2.5 m
96400030	FM-CXJ6A++-FM/S/B/3.0	F Male	F Male	Outdoor	3.0 m
Heading: RG6 Black PVC A++ Tri-Shield Cable (copper Foil/ copper Braid/ copper Foil)					
96503005	FM-CXJ6CuA++-FF/S/B/0.5	F Male	F Female	Outdoor	0.5 m



96303006



95215025



96400002



95114010



95222005






95211008

# TrueDrop™ Jumper Portfolio – General Specifications

## Features

- Conical Interface
- O-ring
- Grooved Nut
- Enhanced compression technology
- Support Sleeve: Dielectric stop and contact heel
- Enhanced F Nut thread

Technical Data	F male RG6 A++	F male RG59 A++	F male SpringConnect RG59 A++
			
Transfer Impedance (CoMet) 5-30 Mhz	Class A++	Class A++	Class A++
Screening Attenuation (CoMet) 30-3.000 Mhz	Class A++	Class A++	Class A++
Intermodulation 3rd Order @ 2 x 20 dBm	<-160 dBc	<-160 dBc	<-160 dBc
Sealing Test (IEC IP-code)	IP X8 1 meter / 24 hour		
Return Loss @ 1.0 GHz	<-23 dB	<-25 dB	<-23dB
Return Loss @ 2.0 GHz	<-22 dB	<-23 dB	<-20dB
Return Loss @ 3.0 GHz	<-22 dB	<-19 dB	<-16dB
Insertion Loss @ 1.0 GHz	<-0,10 dB	<-0,13dB	<-0,12dB
Insertion Loss @ 2.0 GHz	<-0,10 dB	<-0,14dB	<-0,13dB
Insertion Loss @ 3.0 GHz	<-0,12 dB	<-0,18dB	<-0,16dB
Max. Tensile Strength	>38 Kgf, >373N	>30 Kgf, >324N	>30 Kgf, >294N

# TrueDrop™ Compression Tools and Strippers

## Drop Compression Tools and Strippers

Product Type/Name	Part Number	Product Description
<b>Compression Tools</b>		
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
<b>Cable Strippers</b>		
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
<b>Accessories</b>		
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 Deburr
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



98029070



98029070



98028795



98501080



98029046

# 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	BNCF75 Ohm — FF HQ SHORT
Adapters	87315502-01	BNCF75 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

Product Type/Name	Part Number	Product Description
Locking Terminators	99901850	CTP-R75 SHORT W.THREAD
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



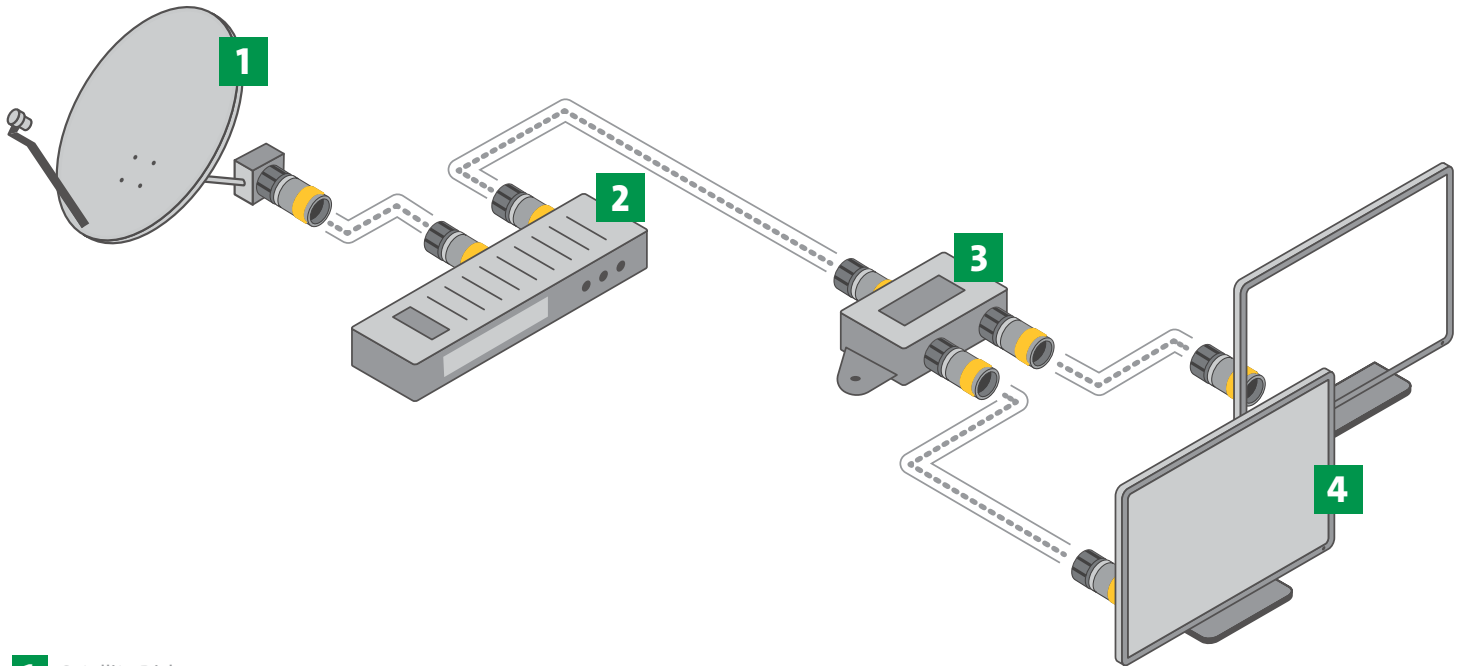
99901915



# Corning® Satellite Portfolio

From physical barriers around installation sites to adverse weather conditions, we understand the challenges installers face in the field. That is why our Satellite and Wireless products are built with features that enable fast and easy installation.

# Satellite Portfolio



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



# Satellite Portfolio – What's new?

## New Features / New Interface

### Mating Surface: Self-Centering and maximizing electrical contact

1. Compensating for varying Female surface qualities
2. Ensuring 360° RF tightness

### F Nut: Larger thread engagement area and finger friendly design

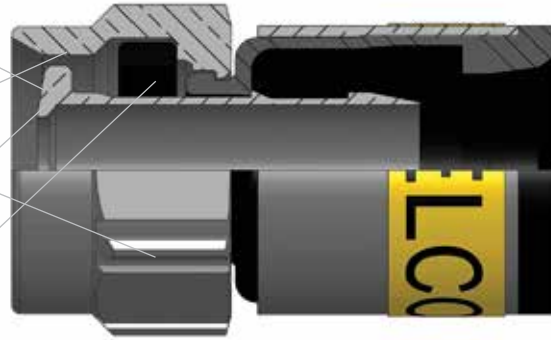
1. Compensates for varying F Female thread qualities
2. More strong mechanical contact between F Female and F Male ports prevents loosening of connectors
3. Nut design eases tightening F Nut on port

### Dielectric Stop

1. Prevention of pass/push through

### Improved Interface Seal

1. O-ring not damaged by thread/ installation



Item no.	Name
99909621-03	F-59 SELF INSTALL 3.9 NI
99909631-03	F-56 SELF INSTALL 4.9 NI
99909636-02	F-56 SELF INSTALL 5.1 NI



98029046



98501080



98501040-02



98501010



# Corning® Wireless Portfolio

Corning's DoubleClick 50 Ohm wireless connector series is available for most standard wireless cables.

Superior PIM performance ensures efficient 5G data transfer at increased speeds.

Any 4G/LTE/5G upgrade also applies to 50 Ohm connectors, whereas the performance becomes more and more relevant on the 5G upgrades being done. DoubleClick is the best-performing wireless connector on the market and will make your network even more reliable.

# The Value of DoubleClick Wireless Connectors



Easier and Faster Installation



Superior Electrical Performance



Intelligent Design

## Easier and Faster Installation

- 90-second installation time vs. > five minutes of traditional connectors

## Intelligent Design

- High-tech polymer ferrule: 360° seal at the cable jacket
- DoubleClick technology: Dual Grip on outer conductor, allows a more stable connection for the best PIM performance
- “Super-sealing” interface: Creates a watertight 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-6™ Plated Brass Body

Nitin-6™ plating adds 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

# Wireless Portfolio

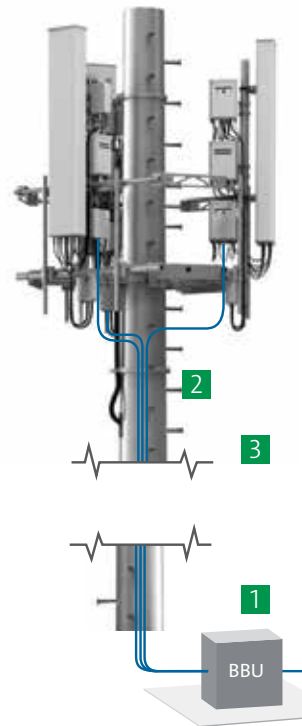
## DoubleClick Wireless Connectors

The 50 Ohm wireless DoubleClick 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 DoubleClick connector features brass bodies with Nitin-6™ plating and silver-plated centre conductors for long-term reliability. Also, its superior intermodulation (PIM) performance and low return loss (VSWR) ensures efficient high-speed data transfer of 5G technologies.



- 1 Base Band Unit
- 2 Remote Radio Head
  - Wireless 50 Ohm connectors
- 3 Antenna
  - Wireless 50 Ohm connectors

Interfaces Available			
7/16 (DIN)	4.1/9.5 (mini DIN)	4.3/10 (mini DIN)	N
Connectors are available for the following cable sizes:			
½ in	7/8 in	1¼ in	1.5/8 in

Parameter	Measurement Conditions	Typical Measurement 1.5/8 in	Typical Measurement 1.5/8 in, new design (DoubleClick)	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

# Wireless Portfolio

## DoubleClick Wireless Connectors

Cable Type / Interface	7/16 DIN Male	90-Degree Right-Angle 7/16 DIN Male	7/16 DIN Female	4.3/10 DIN Male	90-Degree Right-Angle 4.3/10 DIN Male	4.3/10 DIN Female	N Male	90-Degree Right-Angle N Male	N Female	Stripping Tool
1/2-in Super flex	50041250-01	50041251-01	52041250-01	58041250-01	58041251	60041250	76041250-01			28041250
1/2-in corrugated	50051250-01	50051251-01	52051250-01	58051250-01		60051250-01	76051250-01	76051251-01	78051250-01	28051251
7/8-in corrugated	50087850-01		52087850-01	58087850-01		60087850-01				28087851
1 1/4-in corrugated	50091450		52091450							28091451
1 5/8-in corrugated	50095850		52095850							28095851



50095850

# Wireless Portfolio

## DoubleClick 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	Item no.	Name	Description
1/2-in Super Flex	28041250	DUALSTRIP TOOL TYPE 412/50	DualStrip Tool for 1/2-in Super flex cable
	50041250-01	7/16M-412/50	7/16 DIN Male connector for 1/2-in Super flex cable
	50041251-01	90-7/16M-412/50	90 degree Right angle 7/16 DIN Male for 1/2-in Super flex cable
	52041250-01	7/16F-412/50	7/16 DIN Female for 1/2-in Super flex cable
	58041250-01	4.3/10M-412/50	4.3/10 DIN Male for 1/2-in Super flex cable
	58041251	90-4.3/10M-412/50	90 degree Right angle 4.3/12 Male for 1/2-in Super flex cable
	60041250	4.3/10F-412/50	4.3/10 DIN Female for 1/2-in Super flex cable
	76041250-01	NM/50-412/50	N Male for 1/2-in Super flex cable
1/2-in Corrugated	28051251	DUALSTRIP TOOL TYPE 512/50	DualStrip Tool for 1/2-in corrugated
	50051250-01	7/16M-512/50	7/16 DIN Male for 1/2-in corrugated cable
	50051251-01	90-7/16M-512/50	90 degree Right angle 7/16 DIN Male for 1/2-in corrugated cable
	52051250-01	7/16F-512/50	7/16 DIN Female for 1/2-in corrugated cable
	58051250-01	4.3/10M-512/50	4.3/10 DIN Male for 1/2-in corrugated cable
	60051250-01	4.3/10F-512/50	4.3/10 DIN Female for 1/2-in corrugated cable
	76051250-01	NM/50-512/50	N Male for 1/2-in corrugated cable
	76051251-01	90-NM/50-512/50	90 degree Right angle N Male for 1/2-in corrugated cable
78051250-01	NF/50-512/50	N Female for 1/2-in corrugated cable	
7/8-in Corrugated	28087851	DUALSTRIP TOOL TYPE 878/50	DualStrip tool for 7/8-in corrugated
	50087850-01	7/16M-878/50	7/16 DIN Male for 7/8-in corrugated cable
	52087850-01	7/16F-878/50	7/16 DIN Female for 7/8-in corrugated cable
	58087850-01	4.3/10M-878/50	4.3/10 DIN Male for 7/8-in corrugated cable
	60087850-01	4.3/10F-878/50	4.3/10 DIN Female for 7/8-in corrugated cable
1 1/4-in Corrugated	28091451	DUALSTRIP TOOL TYPE 914/50	DualStrip Tool for 1 1/4-in corrugated
	52091450	7/16M-914/50	7/16 DIN Male for 1 1/4-in corrugated cable
	52091450	7/16F-914/50	7/16 DIN Female for 1 1/4-in corrugated cable
	28095851	DUALSTRIP TOOL TYPE 958/50	DualStrip Tool for 1 5/8-in corrugated
	50095850	7/16M-958/50	7/16 DIN Male for 1 5/8-in corrugated cable
	52095850	7/16F-958/50	7/16 DIN Female for 1 5/8-in corrugated cable



# Tools and Resources

Installation and Promotional Videos  
[corning.com/opcomm/videos](http://corning.com/opcomm/videos)

Training and Webinars  
[corning.com/opcomm/training](http://corning.com/opcomm/training)

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Questions or Comments  
[cc.emea@corning.com](mailto:cc.emea@corning.com)



To find the appropriate product to fit your cable, please use our online tool, using your cable as the input.

[www.corning.com/emea/cabelcon/search](http://www.corning.com/emea/cabelcon/search)

Corning  
Cabelcon

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

### Search for Cables

Manufacturer:

Cable description:   
Full or part of description.

	Minimum	Maximum	Sorted by
Inner conductor:	<input type="text"/>	<input type="text"/>	in mm. <input type="radio"/>
Dielectric:	<input type="text"/>	<input type="text"/>	in mm. <input type="radio"/>
Outer conductor:	<input type="text"/>	<input type="text"/>	in mm. <input type="radio"/>
Outer sheath:	<input type="text"/>	<input type="text"/>	in mm. <input type="radio"/>
Cabelcon Type (CC Type):	<input type="text"/>		<input type="radio"/>

Search cable for:

Connectors, splice connectors and jumpers >>	<input type="button" value="Search"/>
Splice reducers and SR jumpers >>	<input type="button" value="Search"/>
Crimp connectors >>	<input type="button" value="Search"/>
Compression connectors >>	<input type="button" value="Search"/>

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# LET'S CONNECT!

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