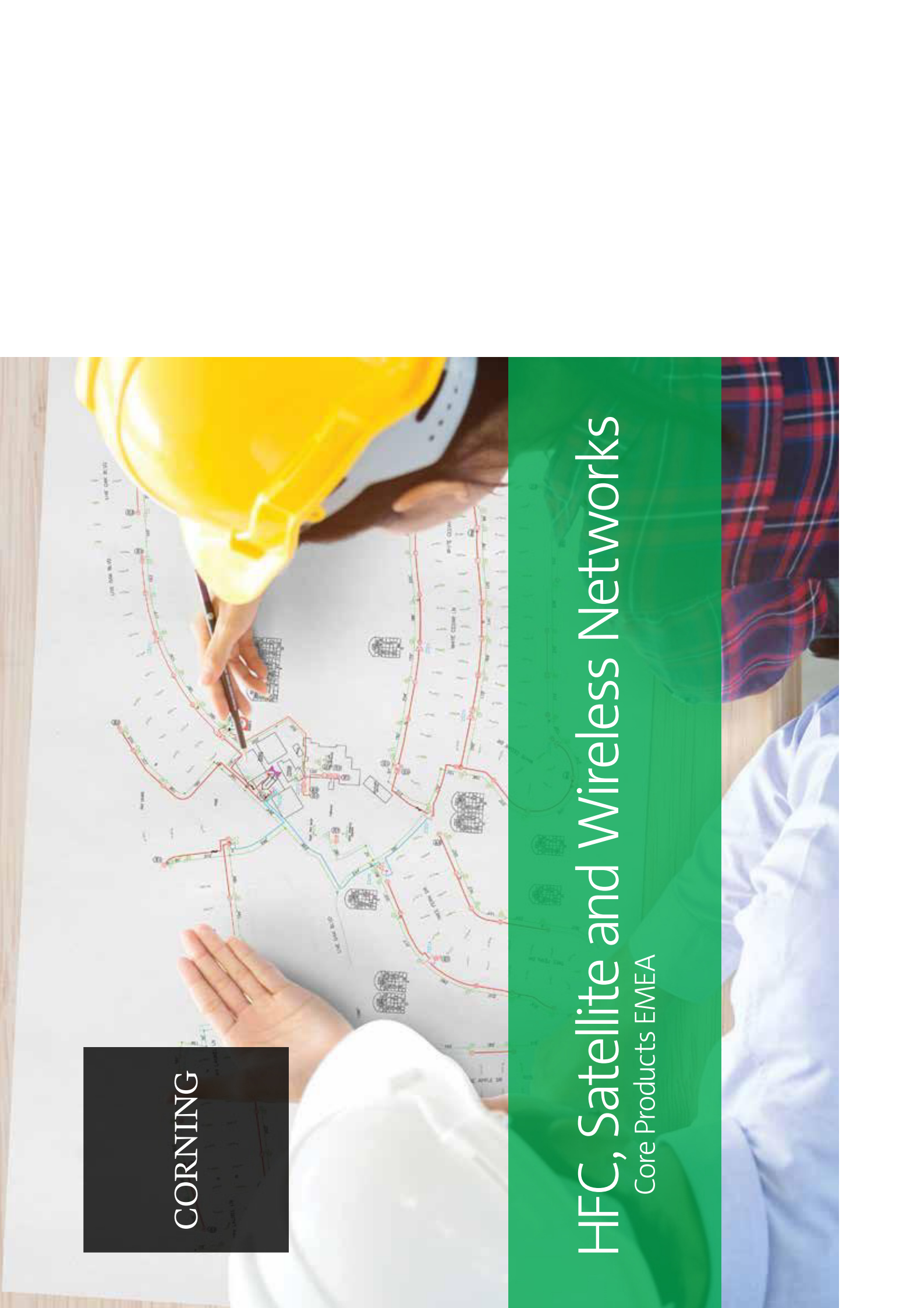


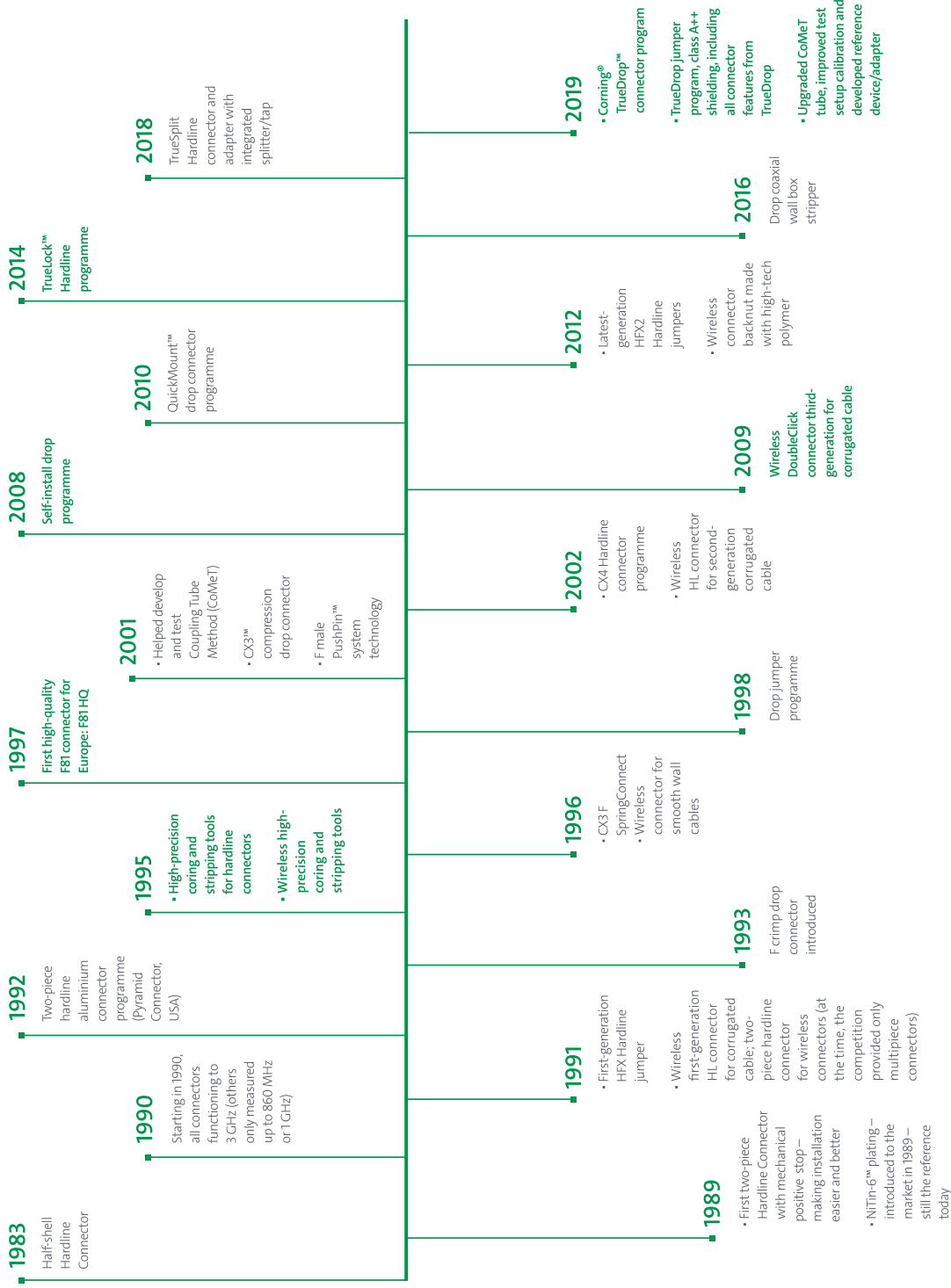


CORNING

HFC, Satellite and Wireless Networks

Core Products EMEA

RF Innovations Overview





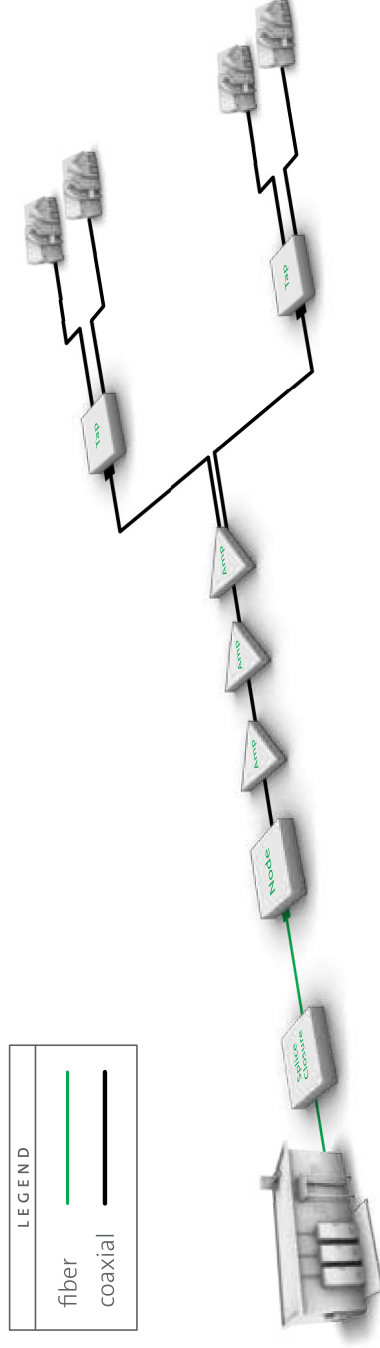
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Corning offers a comprehensive line of hardline and drop connectors, and accessories, for cable television and broadband communications systems. Our product portfolio addresses the challenges installers face in the field, from physical barriers around 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 headline 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 amperes 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

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	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	13101106	13101108	13101110	13101112	13101112	13101120	13101124	13101130
-TL121	13021220	13021221	13212106	13212108	13212110	13212112	13212116	13212120	13212124	13212130
-TL122	13023220	13023221	13232106	13232108	13232110	13232112	13232116	13232120	13232124	13232130
-TL244	13024420	13024421	13244106	13244108	13244110	13244112	13244116	13244120	13244124	13244130
-TL303	13030320	13030321	13303106	13303108	13303110	13303112	13303116	13303120	13303124	13303130
-TL444	13044420	13044421	13444106	13444108	13444110	13444112	13444116	13444120	13444124	13444130
-TL505	13050520	13050521	13505106	13505108	13505110	13505112	13505116	13505120	13505124	13505130
-TL525	13052520	13052521	13525106	13525108	13525110	13525112	13525116	13525120	13525124	13525130
-TL540T1	13054020	13054021	13540106	13540108	13540110	13540112	13540116	13540120	13540124	13540130
-TL655	13065520	13065521	13655106	13655108	13655110	13655112	13655116	13655120	13655124	13655130
-TL787T1	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

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	13010130	13101210	13101212	13101212	13101220	13101224	13101228
-TL121	13021230	13021230	13212108	13212112	13212112	13212120	13212124	13212128
-TL232	13023230	13222208	13232210	13232212	13232216	13232220	13232224	13232228
-TL244	13024430	13244208	13244210	13244212	13244216	13244220	13244224	13244228
-TL303	13030330	13303208	13303210	13303212	13303216	13303220	13303224	13303228
-TL444	13044430	13444208	13444210	13444212	13444216	13444220	13444224	13444228
-TL505	13050530	13505208	13505210	13505212	13505216	13505220	13505224	13505228
-TL525	13052530	13525208	13525210	13525212	13525216	13525220	13525224	13525228
-TL540T1	13054030	13540208	13540210	13540212	13540216	13540220	13540224	13540228
-TL655	13065530	13655208	13655210	13655212	13655216	13655220	13655224	13655228
-TL787T1	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

Cable Type/Interface	CTSC-04	CTSC-4-10*	CTSC-4-12*
Description	SPLITTER 4-WAY	TAP 4-10dB	TAP 4-12dB
-TL101	13010140	13101410	13101410
-TL121	13021240	13212410	13212412
-TL232	13023240	13232410	13232412
-TL243	13024340		
-TL244	13024440		13244412
-TL303	13030340	13303410	13303412
-TL313	13031340		
-TL444	13044440	13444410	13444412
-TL505	13050540	13505410	13505412
-TL525	13052540	13525410	13525412
-TL540T1	13054040	13540410	13540412
-TL655	13065540	13655410	13655412
-TL787T1	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)

Corning Optical Communications

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	60V 2A Power Through
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-P-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 PowerThrough
14920005	CTSI-02-FM/B/0.5	FM-CX16A+-2-WAY SPLITTER/B/0.5	
14921005	CTSI-02-P-FM/B/0.5	FM-CX16A+-2-P-WAY SPLITTER/B/0.5	✓
14110605	CTSI-1-6-P-FM/B/0.5	FM-CX16A+-TAP 1-6dB/B/0.5	✓
14110805	CTSI-1-8-P-FM/B/0.5	FM-CX16A+-TAP 1-8dB/B/0.5	✓
14111005	CTSI-1-10-P-FM/B/0.5	FM-CX16A+-TAP 1-10dB/B/0.5	✓
14111205	CTSI-1-12-P-FM/B/0.5	FM-CX16A+-TAP 1-12dB/B/0.5	✓
14111605	CTSI-1-16-P-FM/B/0.5	FM-CX16A+-TAP 1-16dB/B/0.5	✓
14112005	CTSI-1-20-P-FM/B/0.5	FM-CX16A+-TAP 1-20dB/B/0.5	✓
14112405	CTSI-1-24-P-FM/B/0.5	FM-CX16A+-TAP 1-24dB/B/0.5	✓
14113005	CTSI-1-30-P-FM/B/0.5	FM-CX16A+-TAP 1-30dB/B/0.5	✓



14920005

Item no.	Name	Description	60V 2A PowerThrough
14930005	CTSI-03-FM/B/0.5	FM-CX16A+-3-WAY SPLITTER/B/0.5	
14120805	CTSI-2-8-P-FM/B/0.5	FM-CX16A+-TAP 2-8dB/B/0.5	✓
14121005	CTSI-2-10-P-FM/B/0.5	FM-CX16A+-TAP 2-10dB/B/0.5	✓
14121205	CTSI-2-12-P-FM/B/0.5	FM-CX16A+-TAP 2-12dB/B/0.5	✓
14121605	CTSI-2-16-P-FM/B/0.5	FM-CX16A+-TAP 2-16dB/B/0.5	✓
14122005	CTSI-2-20-P-FM/B/0.5	FM-CX16A+-TAP 2-20dB/B/0.5	✓
14122405	CTSI-2-24-P-FM/B/0.5	FM-CX16A+-TAP 2-24dB/B/0.5	✓
14122805	CTSI-2-28-P-FM/B/0.5	FM-CX16A+-TAP 2-28dB/B/0.5	✓



14930005

Item no.	Name	Description	60V 2A PowerThrough
14940005	CTSI-04-FM/B/0.5	FM-CX16A+-4-WAY SPLITTER/B/0.5	
14141005	CTSI-4-10-FM/B/0.5	FM-CX16A+-TAP 4-10dB/B/0.5	*
14141205	CTSI-4-12-FM/B/0.5	FM-CX16A+-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

Corning Optical Communications

RF Solutions Catalogue | CRR-681-BEN | 13

TrueLock™ Portfolio

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	PGT1MU	PGT1MU

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)
Multislotted 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 + PGT1 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++
Screening Attenuation (CoMeT) 30-3000 MHz	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
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
Return Loss @ 10 GHz	< -30 dB	< -25 dB	< -35 dB	< -30 dB	< -30dB
Return Loss @ 2.0 GHz	< -20 dB	< -25 dB	< -30 dB	< -30 dB	< -28dB
Return Loss @ 3.0 GHz	< -20 dB	< -20 dB	< -30 dB	< -28 dB	< -25dB
Insertion Loss @ 1.0 GHz	< -010 dB	< -020 dB	< -008 dB	< -010 dB	< -010dB
Insertion Loss @ 2.0 GHz	< -010 dB	< -020 dB	< -008 dB	< -010 dB	< -010dB
Insertion Loss @ 3.0 GHz	< -012 dB	< -020 dB	< -010 dB	< -012 dB	< -012dB
Amp Rating @ 20°C Increase	21A	10A	18A	7A	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.
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	45012100-01		49012100-02		53012100-01	55012100-01	57012100-01		63012100-01	63012114-01
-TL205TI				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			
-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			
-TL3125TI						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	
-TL3835TI				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	IEC147/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	IECHM	IECH4/PGT1	3.5/12M	3.5/12F	FM	FF	5/8M	5/8MU	PGTM	PGTMU
-1L609T1	31020609-01			49061002-01				57060904-01			
-1L610T1				49061002-01		53061002-01		57061002-01			
-1L611S11				49061102-01		53061102-01		57061100-01			
-1L62		45061200-01	47061200-01	49061200-01	51061200-01						
-1L616	31000616-01	45061600-01	47061600-02	49061600-01		53061600-01		57061600-01	57061614-01		
-1L639T1	31020619-01			49061902-01				57061902-01			
-1L626	31000626-01			49062600-01				57062600-01			
-1L636	31000636-01			49063600-01				57063600-01			
-1L646	31000646-01			49064600-01		53064600-01	55064600-01	57064600-01	57064614-01		
-1L655	31000655-01			49065500-01		53065500-01	55065500-01				
-1L666T1				49066602-02							
-1L676	31000676-01			49067600-01			55067600-01				
-1L696S11				49069603-01							
-1L701				49070100-02							
-1L702T1				49070202-02							
-1L703S11				49070300-03							
-1L706S11				49070601-02				57070601-01			
-1L707				49070700-02				57070700-01			
-1L707T1				49070702-02				57070701-01			
-1L715S11				49071102-01							
-1L717				49071700-02							
-1L719T1								57071904-01			
-1L730T1				49073002-02							
-1L737T1	31020737-01			49073702-02				57073701-01			
-1L739T1				49073902-02							
-1L802S11				49080205-02							
-1L808				49080800-02							
-1L828	31000828-02			49082800-02					57082814-02		
-1L830T1				49083002-02							
-1L838T1				49083802-01							
-1L858				49085800-02							
-1L888T1				49088802-02							
-1L898T1				49089802-02							



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.

Corning Optical Communications

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TrueLock™ Splice Reducers

Cable Type	Cable Type SR	Item #	Name	Cable Type/Interface	Cable Type SR	Item #	Name
K-UNIV-53/8.8	-TL202	33002010-01	SR 56-UNIV-53/8.8-TL202		-TL246	33073800-01	SR TL232-TL246
	-TL111	33005500-02	SR TL101-TL111		-TL303	33077650-01	SR TL232-TL303
	-TL202	33001000-01	SR TL101-TL202		-TL363	33077700-01	SR TL232-TL363
	-TL212	33002000-01	SR TL101-TL212		-TL404	33072000-01	SR TL232-TL404
	-TL232	33003200-01	SR TL101-TL232		-TL413	33072358-01	SR TL232-TL413
-TL101	-TL243	33003915-01	SR TL101-TL243	-TL232	-TL444	33072350-01	SR TL232-TL444
	-TL303	33004000-01	SR TL101-TL303		-TL506T1	35007505-01	SR TL232-TL506T1
	-TL404	33007000-01	SR TL101-TL404		-TL525	33072550-01	SR TL232-TL525
	-TL413	33070700-01	SR TL101-TL413		-TL540T1	35007500-01	SR TL232-TL540T1
	-TL444	33070708	SR TL101-TL444		-TL646T1	33072595-01	SR TL232-TL646
	-TL505	33071000-01	SR TL101-TL505		-TL676	33072598-01	SR TL232-TL676
	-TL525	33073000-01	SR TL101-TL525		-TL232	33077296-01	SR TL243-TL232
	-TL646	33079000-01	SR TL101-TL646	-TL493	-TL413	33077331-01	SR TL243-TL413
	-TL655	33074500-01	SR TL101-TL655		-TL272	33026640-01	SR TL244-TL272
	-TL202	33026040-01	SR TL111-TL202	-TL244	-TL232	33026654-01	SR TL244-TL232
-TL111	-TL212	33026500-01	SR TL202-TL212		-TL404	33073000-01	SR TL303-TL404
	-TL232	33026650-01	SR TL202-TL232	-TL803	-TL413	33076500-01	SR TL303-TL413
	-TL303	33027000-01	SR TL202-TL303		-TL303	33072670-01	SR TL313-TL303
-TL202	-TL313	33028000-01	SR TL202-TL313	-TL313	-TL444	33095000-01	SR TL313-TL444
-TL212	-TL232	33071295-01	SR TL212-TL232	-TL604	-TL413	33112020-01	SR TL404-TL413
	-TL505	33058000-01	SR TL212-TL505	-TL644	-TL424	33119500-01	SR TL444-TL424
	-TL636	33064500-01	SR TL212-TL636	-TL815	-TL616	33130600-01	SR TL515-TL616
				-TL303	33079000-01	SR TL303-TL525	
				-TL525	-TL646	33132400-01	SR TL525-TL646



33064500-01

Corning Optical Communications

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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 -TL575TI	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 headline 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	EET Europarts	Macab	TKF Connectivity Solutions
(NDC Technologies)	Ericsson	NEK Kabel AS	Triax
Beta Cavi	F&G	Nexans	Trilogy Communications
Bieffe Cavi	FMC	Nexans Schweiz AG	Vacha Kabel GmbH
Bosch	Fracarro	NK Communications	Volex
Braun teleCom GmbH	Francofa Eurodis	NK Networks	Webro
Cablerie Seneffoise	Fuba	NKF Kabel B.V.	Wilhelm Sihn Jr. GmbH
CAE Group	Fujikura	NKT Cables	Witronic AG
Cavel	G.ecol.cables S.r.l.	Nordix S. A.	
Cavi Europack	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
2. Contact our customer care centre (See page 47)
+ 45 55 98 55 99
cc.emea@corning.com

Corning Optical Communications

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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.

Corning Optical Communications

Typical Specifications of HFX2 Jumpers

Product Name/type	Product Description
5/8MU-CXJHFX2-5/8MU/07	93575707
Cable Minimum Bend Radius	108 mm
Frequency Range	0.3-3000 MHz
Impedance (nominal)	75 Ohm
Amp. Rating: (measured) (calculated)	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 -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
5/8F	PG11MU
	5/8MU
	FM
	90-5/8MU
	IEC14M

Hardline Jumpers HFX

HFX2 jumper with interfaces according to IEC standards

Item no.	Name	Interface 1	Interface 2	Length
93454507-03	IEC14M-CXUHFx2-IEC14M/0,7	IEC14M	IEC14M	0,7 m
93454508-03	IEC14M-CXUHFx2-IEC14M/0,8	IEC14M	IEC14M	0,8 m
93454520-03	IEC14M-CXUHFx2-IEC14M/2,0	IEC14M	IEC14M	2,0 m
93494507-04	3,5/12M-CXUHFx2-IEC14M/0,7	3,5/12M	IEC14M	0,7 m
93494510-03	3,5/12M-CXUHFx2-IEC14M/1,0	3,5/12M	3,5/12M	1,0 m
93494903-04	3,5/12M-CXUHFx2-3,5/12M/0,35	3,5/12M	3,5/12M	0,35 m
93494905-04	3,5/12M-CXUHFx2-3,5/12M/0,5	3,5/12M	3,5/12M	0,5 m
93494906-04	3,5/12M-CXUHFx2-3,5/12M/0,6	3,5/12M	3,5/12M	0,6 m
93494907-04	3,5/12M-CXUHFx2-3,5/12M/0,7	3,5/12M	3,5/12M	0,7 m
93494908-04	3,5/12M-CXUHFx2-3,5/12M/0,8	3,5/12M	3,5/12M	0,8 m
93494910-04	3,5/12M-CXUHFx2-3,5/12M/1,0	3,5/12M	3,5/12M	1,0 m
93494912-04	3,5/12M-CXUHFx2-3,5/12M/1,2	3,5/12M	3,5/12M	1,2 m
93494915-04	3,5/12M-CXUHFx2-3,5/12M/1,5	3,5/12M	3,5/12M	1,5 m
93494920-04	3,5/12M-CXUHFx2-3,5/12M/2,0	3,5/12M	3,5/12M	2,0 m
93495103-04	3,5/12M-CXUHFx2-3,5/12F/0,3	3,5/12M	3,5/12F	0,3 m
93495105-04	3,5/12M-CXUHFx2-3,5/12F/0,5	3,5/12M	3,5/12F	0,5 m
93495108-04	3,5/12M-CXUHFx2-3,5/12F/0,8	3,5/12M	3,5/12F	0,8 m
93495110-04	3,5/12M-CXUHFx2-3,5/12F/1,0	3,5/12M	3,5/12F	1,0 m
93495115-04	3,5/12M-CXUHFx2-3,5/12F/1,5	3,5/12M	3,5/12F	1,5 m
93495120-04	3,5/12M-CXUHFx2-3,5/12F/2,0	3,5/12M	3,5/12F	2,0 m
93495305-04	3,5/12M-CXUHFx2-FM/0,5	3,5/12M	FM	0,5 m
93495307-04	3,5/12M-CXUHFx2-FM/0,7	3,5/12M	FM	0,7 m
93495310-04	3,5/12M-CXUHFx2-FM/1,0	3,5/12M	FM	1,0 m
93495907-04	3,5/12M-CXUHFx2-5/8F/0,7	3,5/12M	5/8F	0,7 m
93495920-04	3,5/12M-CXUHFx2-5/8F/2,0	3,5/12M	5/8F	2,0 m
93495950-04	3,5/12M-CXUHFx2-5/8F/5,0	3,5/12M	5/8F	5,0 m
93535908-03	FM-CXUHFx2-5/8F/0,8	FM	5/8F	0,8 m
93575705-03	5/8MU-CXUHFx2-5/8MU/0,5	5/8MU	5/8MU	0,5 m
93575710-03	5/8MU-CXUHFx2-5/8MU/1,0	5/8MU	5/8MU	1,0 m
93575715-03	5/8MU-CXUHFx2-5/8MU/1,5	5/8MU	5/8MU	1,5 m
93575720-03	5/8MU-CXUHFx2-5/8MU/2,0	5/8MU	5/8MU	2,0 m

Corning Optical Communications

Item no.	Name	Interface 1	Interface 2	Length
93575905-03	5/8MU-CXUHFx2-5/8F/0,5	5/8MU	5/8F	0,5 m
93575910-03	5/8MU-CXUHFx2-5/8F/1,0	5/8F	5/8F	1,0 m
93575915-03	5/8MU-CXUHFx2-5/8F/1,5	5/8F	5/8F	1,5 m
93575920-03	5/8MU-CXUHFx2-5/8F/2,0	5/8F	5/8F	2,0 m
93585713-03	90-5/8MU-CXUHFx2-5/8MU/1,3	5/8MU	5/8MU	1,3 m
93636307-03	PGT1MU-CXUHFx2-PGT1MU/0,7	PGT1MU	PGT1MU	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-CXUHFx2-IEC14M/0,8	TL202	IEC14M	0,8m
93000351-04	JPTL212-CXUHFx2-3,5/12M/0,35	TL212	3,5/12M	0,35m
93000352-04	JPTL419T-CXUHFx2-3,5/12M/0,55	TL419T1	3,5/12M	0,55m
93000354-04	JPTL212-CXUHFx2-3,5/12M/0,55	TL212	3,5/12M	0,55m
93000356-04	JPTL319T-CXUHFx2-3,5/12M/0,55	TL319T1	3,5/12M	0,55m
93000357-04	JPTL212-CXUHFx2-3,5/12M/1,7	TL212	3,5/12M	1,7m
93000359-04	JPTL303-CXUHFx2-3,5/12M/0,55	TL303	3,5/12M	0,55m
93000361-04	JPTL404-CXUHFx2-3,5/12M/0,55	TL404	3,5/12M	0,55m
93000362-04	JPTL525-CXUHFx2-3,5/12M/0,55	TL525	3,5/12M	0,55m
93000562-03	JPTL306F-CXUHFx2-IEC14M/0,8	TL306F1	IEC14M	0,8m
9300705-04	JPTL363-CXUHFx2-3,5/12M/0,55	TL363	3,5/12M	0,55m
9300710-04	JPTL363-CXUHFx2-3,5/12M/1,0	TL363	3,5/12M	1,0m
93002005-04	JPTL636-CXUHFx2-3,5/12M/0,55	TL636	3,5/12M	0,55m
93002013-04	JPTL619T-CXUHFx2-3,5/13M/0,55	TL619T1	3,5/12M	0,55m
9300202-03	JPTL655-CXUHFx2-IEC14M/0,7	TL655	IEC14M	0,7m
93002106-03	JPTL655-CXUHFx2-IEC14M/0,8	TL655	IEC14M	0,8m
93002305-04	JPTL616-CXUHFx2-3,5/12M/0,55	TL616	3,5/12M	0,55m
93002310-04	JPTL616-CXUHFx2-3,5/12M/1,0	TL616	3,5/12M	1,0m
93010980-03	JPTLS05-CXUHFx2-PGT1MU/0,7	TL505	PGT1MU	0,7m
93014795-03	JPTL707-CXUHFx2-PGT1MU/0,7	TL707	PGT1MU	0,7m

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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.

STYLE:

GRS™ or G2™

SIZES:

.412

.440

.480

.500

.540

.565

.625

.650

.700

.750

.840

.860

.875

1.000

1.125

1.160

TYPE:

CH = Pin

SP = Splice

EXT = Extension

BAFF = F Female

AFM = F Male

TR = Terminator

TWO-PIECE CONNECTOR:

P1 = CommScope

P3 = CommScope

QR = Time Fiber

MC2 = Trilogy Communications

TX = Times Fiber

OR

THREE-PIECE CONNECTOR

See page 25 for part numbers and descriptions.

SELECT WHICH STYLE

SELECT A SIZE

SELECT A TYPE CODE

SELECT A CABLE TYPE CODE

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
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
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	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

Corning Optical Communications

RF Solutions Catalogue | CRR-681-BEN | 27

TrueDrop™ Portfolio

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

Connections you can trust



99909941



TrueDrop Connector

*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

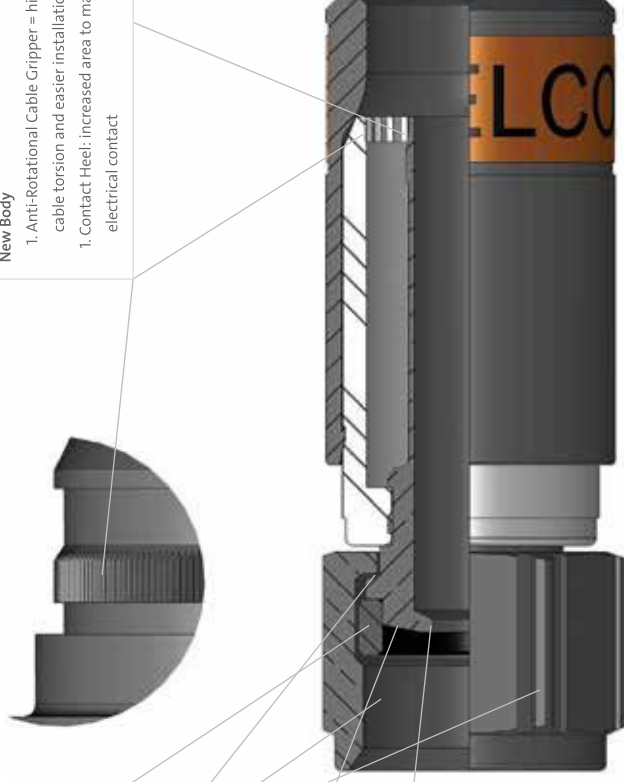
5. New Body

- 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 ø. 3.4-3.5 mm
99909921	F-59-TD 3.9	for RG59 cable dielectric ø. 3.6-3.7 mm
99909935	F-59-TD 3.9-HEC	for RG59 HEC cable dielectric ø. 3.6-3.7 mm
99909941	F-6-TD 4.9	for RG6 cable dielectric ø. 4.6-4.7 mm
99909946	F-6-TD 5.1	for RG6 cable dielectric ø. 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

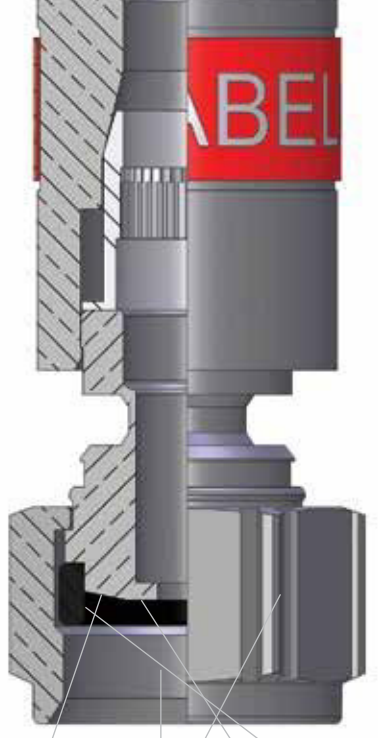
4. Interface Seal

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/RG59 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 RG59 6.0 mm cable
99909913	F-6-TD QM 7.0 W/O-RING	for RG6 7.0 mm cable
99909914	F-6-TD QM 7.0 SHORT W/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
F with Standard F Nut Self-Install		
99909631	F-56 4.9 Self-Install Ntin	For RG6 70 mm cable, with 4.6 mm dielectric
99909636	F-56 5.1 Self-Install Ntin	For RG6 70 mm cable, with 4.8 mm dielectric
F with Standard F Nut CX3 Standard Compression		
99909441-01	F-56 CX3 4.9	For RG6 70 mm cable, with 4.6 mm dielectric
99909581	F-56 CX3 4.9	For RG6 70 mm cable, with 4.6 mm dielectric
99909446-01	F-56 CX3 5.1	For RG6 70 mm cable, with 4.8 mm dielectric
F with Standard F Nut CX3 QuickMount™ Connector		
99909407-02	F-56 CX3 70 QM	For RG6 70 mm cable
99909412	F-56 CX3 70 QM without O-ring	For RG6 70 mm cable (no interface seal)
99909430	F-56 CX3 70 QM Short	For RG6 70 mm cable
F with SpringConnect Self-Install		
99909673	F-56 56 5.1 Self-Install	For RG6 70 mm cable, with 4.6-4.8 mm dielectric
F with SpringConnect Standard Compression		
99909549-01	F-56 56 CX3 4.9 Short	For RG6 70 mm cable, with 4.6 mm dielectric
IEC Self-Install		
99909686	IECM-56 5.1 Self-Install	For RG6 70 mm cable, with 4.6-4.8 mm dielectric
99909692	90-IECM-56 5.1 Self-Install	For RG6 70 mm cable, with 4.6-4.8 mm dielectric
99909690	IECF-56 5.1 Self-Install	For RG6 70 mm cable, with 4.6-4.8 mm dielectric
99909691	90-IECF-56 5.1 Self-Install	For RG6 70 mm cable, with 4.6-4.8 mm dielectric
IEC CX3 Standard Compression		
99909484-02	IECM-56 CX3 4.9	For RG6 70 mm cable, with 4.6 mm dielectric
99909486-02	IECM-56 CX3 5.1	For RG6 70 mm cable, with 4.8 mm dielectric
99909494-01	IECF-56 CX3 4.9	For RG6 70 mm cable, with 4.6 mm dielectric
99909496-01	IECF-56 CX3 5.1	For RG6 70 mm cable, with 4.8 mm dielectric
BNC CX3 Standard Compression		
99909475-02	BNCM-56 CX3 4.9	For RG6 70 mm cable, with 4.6 mm dielectric
99909476-02	BNCM-56 CX3 5.1	For RG6 70 mm cable, with 4.8 mm dielectric
IEC Male connectors		
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
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	99909494-01

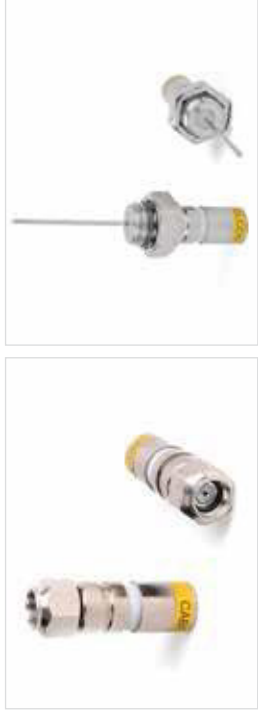
Item no.	Name	Description
IEC Female connectors		
99909492-01	IECF-59 CX3 3.9	For MINI RC59 cable dielectric ø 3.4-3.5 mm
99909494-01	IECF-56 CX3 4.9	For RG6 cable dielectric ø 4.6-4.7 mm
99909496-01	IECF-56 CX3 5.1	For RG6 cable dielectric ø 4.8-4.9 mm
99909690	IECF-56 5.1 SELF-INSTALL	For RG6 cable dielectric ø 4.6-4.9 mm
F Male SpringConnect		
99909549-01	F-56 56 CX3 4.9 SHORT	For RG6 cable dielectric ø 4.6-4.7 mm
99909569	F-56 56 CX3 4.9 SHORT Class A spring	For RG6 cable dielectric ø 4.6-4.7 mm
99909673	F-56 56 5.1 SELF-INSTALL	For RG6 cable dielectric ø 4.6-4.9 mm
99909551-01	F-56 56 CX3 5.1 SHORT	For RG6 cable dielectric ø 4.8-4.9 mm
E Male connector		
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
90-degree right angle IEC Male connector		
99909692	90-IECM-56 5.1 SELF-INSTALL	For RG6 cable dielectric ø 4.6-4.9 mm
90-degree right angle IEC Female connector		
99909691	90-IECF-56 5.1 SELF-INSTALL	For RG6 cable dielectric ø 4.6-4.9 mm
90-degree right angle F Male connector		
99909509-01	90-FM-59-ALM 3.7/6.4 HQ	For MINI RC59 cable dielectric ø 3.4-3.5 mm
99909509-01	90-FM-56-ALM 5.1/8.4 HQ	For RG6 cable dielectric ø 4.8-4.9 mm
99909597	90-FM-56 CX3 70 QM	For RG6 70 mm cable
MCX Male connectors		
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	MCX59 CX3 5.0 QM	For MINI 5.0 mm cable
BNC Male connectors		
99909482-01	BNCM-60 CX3 MINI 3.1	For MINI 3.1 mm cable
99909483-01	BNCM-60 CX3 MINI 4.0	For MINI 4.0 mm cable
99909484-03	BNCM-60 CX3 MINI 4.5	For MINI 4.5 mm cable
99909485-01	BNCM-60 CX3 MINI 5.0	For MINI 5.0 mm cable
99909472-02	BNCM-59 CX3 3.7	For MINI RC59 cable dielectric ø 3.4-3.5mm
99909473-02	BNCM-59 CX3 3.9	For RC59 cable dielectric ø 3.6-3.7mm
99909474-02	BNCM-59 CX3 3.9/HEC	For RC59 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 11.0/11.7	99909539	For RG11 10.5-11.0 mm cable
FM-RG11-CX3 QM 11.3	99909558	For Tellur 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

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.



99909510-02

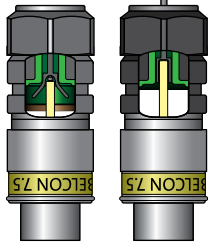
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99909520-02

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.

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

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

New Body

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



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-CU59A++-IECLM/B/1.0	F Male	IECL4 Male	Indoor	1.0 m
95215025	FM-CU59A++-IECF/W/2.5	F Male	IECF Female	Indoor	2.5 m
95210005	FM-CU59A++-FM/W/0.5	F Male	F Male	Indoor	0.5 m
95210008	FM-CU59A++-FM/W/0.8	F Male	F Male	Indoor	0.8 m
95210102	FM-CU59A++-FM/W/1.2	F Male	F Male	Indoor	1.2 m
95210200	FM-CU59A++-FM/W/2.0	F Male	F Male	Indoor	2.0 m
95210300	FM-CU59A++-FM/W/3.0	F Male	F Male	Indoor	3.0 m
95222005	FM-SC-CU59A++-FM SC/W/0.5	F Male SpringConnect™	F Male SpringConnect	Indoor	0.5 m
95222015	FM-SC-CU59A++-FM SC/W/1.5	F Male SpringConnect	F Male SpringConnect	Indoor	1.5 m
95222020	FM-SC-CU59A++-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)					
96410002	FM-CU6A++-FM/B/0.2	F Male	F Male	Indoor	0.2 m
96410003	FM-CU6A++-FM/B/0.3	F Male	F Male	Indoor	0.3 m
96410004	FM-CU6A++-FM/B/0.4	F Male	F Male	Indoor	0.4 m
96410005	FM-CU6A++-FM/B/0.5	F Male	F Male	Indoor	0.5 m
96490010	5/8IN-CU6A++-FM/S/1.0	5/8 Male (with Swivel Nut)	Open end	Outdoor	1.0 m
96408005	FM-CU6A++/S/B/0.5	F Male	F Female	Outdoor	0.5 m
96303006	FM-CU6A++/FF/S/B/0.6	F Male	F Male	Outdoor	0.6 m
96400002	FM-CU6A++-FM/S/B/0.2	F Male	F Male	Outdoor	0.2 m
96400003	FM-CU6A++-FM/S/B/0.3	F Male	F Male	Outdoor	0.3 m
96400004	FM-CU6A++-FM/S/B/0.4	F Male	F Male	Outdoor	0.4 m
96400005	FM-CU6A++-FM/S/B/0.5	F Male	F Male	Outdoor	0.5 m
96400006	FM-CU6A++-FM/S/B/0.6	F Male	F Male	Outdoor	0.6 m
96400007	FM-CU6A++-FM/S/B/0.7	F Male	F Male	Outdoor	0.7 m
96400008	FM-CU6A++-FM/S/B/0.8	F Male	F Male	Outdoor	0.8 m
96400010	FM-CU6A++-FM/S/B/1.0	F Male	F Male	Outdoor	1.0 m
96400025	FM-CU6A++-FM/S/B/2.5	F Male	F Male	Outdoor	2.5 m
96400030	FM-CU6A++-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-CU6CUA++/FF/S/B/0.5	F Male	F Female	Outdoor	0.5 m



96303006



95215025



96400002



95114010



95222005



95210008

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

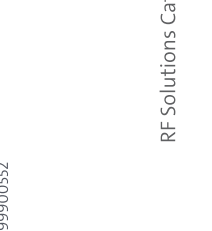
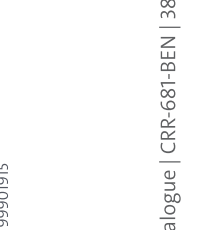
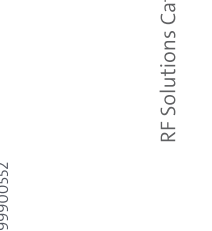
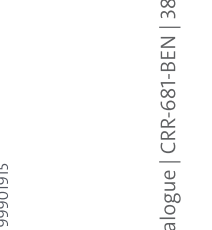
Technical Data	F male RG6 A++	F male RG59 A++	F male SpringConnect RG59 A++
			
Transfer Impedance (CoMet) 5-30 MHz	Class A++	Class A++	Class A++
Screening Attenuation (CoMet) 30-3.000 MHz	Class A++	Class A++	Class A++
Intermodulation 3rd Order @ 2 x 20 dBm	≤ -160 dBc	≤ -160 dBc	≤ -160 dBc
Sealing Test (IEC IP-code)	IP X8 1 meter / 24 hour		
Return Loss @ 1.0 GHz	≤ -23 dB	≤ -25 dB	≤ -23 dB
Return Loss @ 2.0 GHz	≤ -22 dB	≤ -23 dB	≤ -20 dB
Return Loss @ 3.0 GHz	≤ -22 dB	≤ -19 dB	≤ -16 dB
Insertion Loss @ 1.0 GHz	≤ -0.10 dB	≤ -0.13 dB	≤ -0.12 dB
Insertion Loss @ 2.0 GHz	≤ -0.10 dB	≤ -0.14 dB	≤ -0.13 dB
Insertion Loss @ 3.0 GHz	≤ -0.12 dB	≤ -0.18 dB	≤ -0.16 dB
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
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 Strippers		
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 /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 mm	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
	98501080	
		98029046
		98028795

Adapters and Accessories

Product Type/Name	Part Number	Product Description	Product Type/Name	Part Number	Product Description
180-Degree Adapters	86555500	180-FF-FF-HQ	Locking Terminators	99901850	CTP-R75 SHORT W/THREAD
90-Degree Adapters	99530035-02	90-FM-FF-HQ	Locking Terminators	99901910	LT-R75S SHORT
90-Degree Adapters	99900600	90-FM-FF-ANGEL	Locking Terminators	99901915	LT-R75ST SHORT W/THREAD
Adapters	87303002	BNCF 75 Ohm — BNCF 75 Ohm	Locking Terminators	99901917	LT-R75ST SHORT W/THREAD NiTiN
Adapters	87304500-01	BNCF 75 Ohm — IECM	Nut & O-ring - IECM-CX3	99900570-01	M14 NUT + O-RING F. CX3+CRIMP
Adapters	87304900-01	BNCF 75 Ohm — 35/12M	Nuts & Washers	99900550-01	NUT AND WASHER FOR F-81
Adapters	87305502	BNCF75 Ohm — FF HQ SHORT	Nuts & Washers	99900552	NUT AND TEETH WASHER F-81
Adapters	87315502-01	BNCM 75 Ohm — FF HQ	Port Terminators	89450006	IECM-R75 PORT TERMINATOR
Adapters	87535502-03	FM SC-FF LONG MODEL HQ	Port Terminators	89535502-01	FM R75-FF MALE TERMINATOR NiTiN
Adapters	87535510-01	FM PUSH ON-FF HQ	Port Terminators	99902004-02	FM SC-R75 1/4-HQ NiTiN
Adapters	99455510-01	IECM-FF-HQ	Port Terminators	99902008-01	TR-59-1/4-HQ NiTiN
Adapters	99475510-02	IECF-FF-HQ	Port Terminators	99902009	TR-59-1/4 NiTiN
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	99900500	ATTENUATOR FM-FF 3 dB	99900518-01	99900550-01	99902008-01
Attenuators F Male - F Female	90000005	ATTENUATOR FM-FF 6 dB			
Attenuators F Male - F Female	90000010	ATTENUATOR FM-FF 10 dB			
Attenuators F Male - F Female	90000015	ATTENUATOR FM-FF 16 dB			
Attenuators F Male - F Female	90000025	ATTENUATOR FM-FF 20 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)	99550045-02	99900552	99901915
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			



Corning® Satellite Portfolio

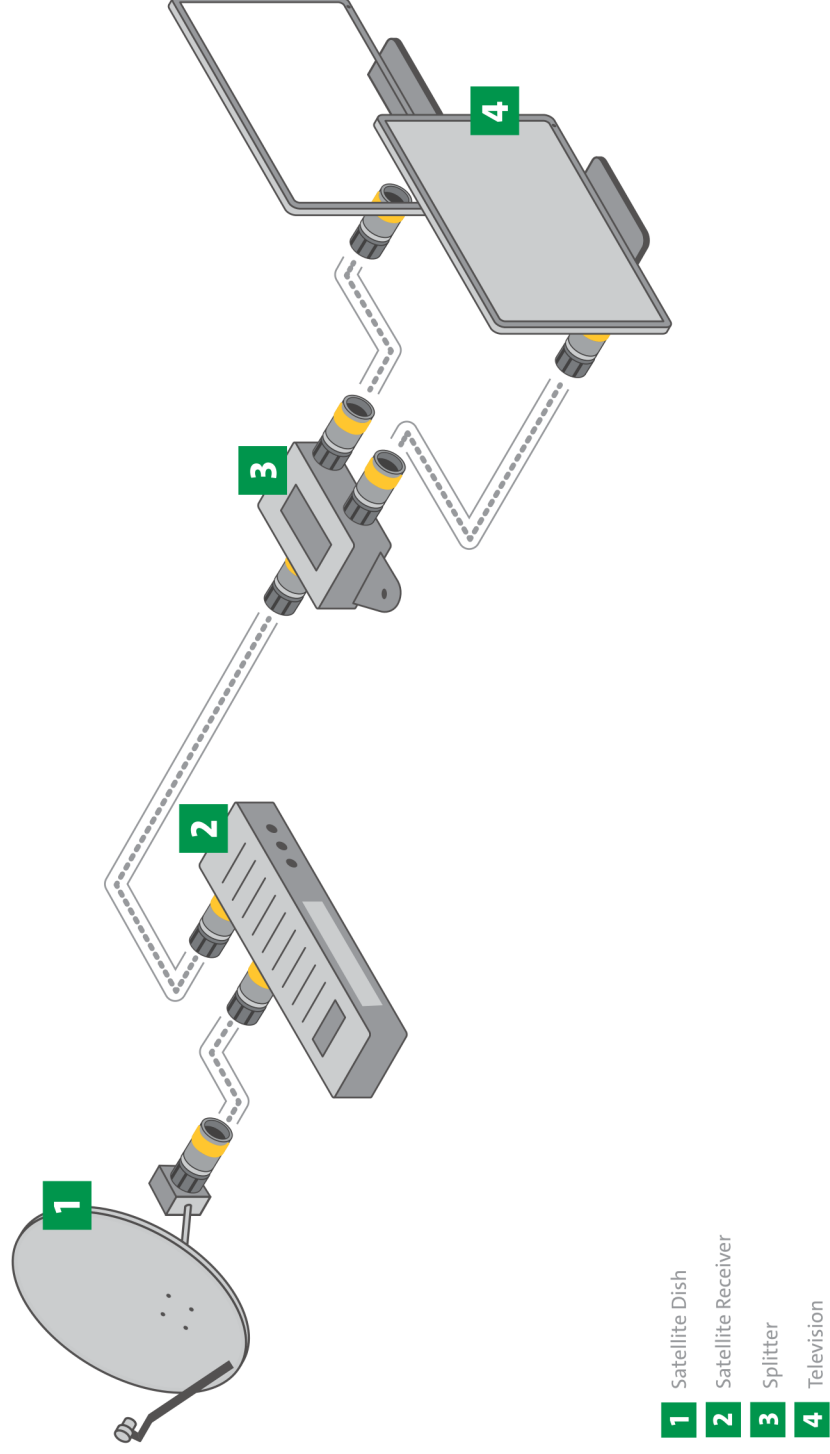
From physical barriers around installation sites to adverse weather conditions, we understand the challenges installers face in the field. That is why our Satellite and Wireless products are built with features that enable fast and easy installation.

Corning Optical Communications

Satellite Portfolio

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Satellite Portfolio



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

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Wireless Portfolio

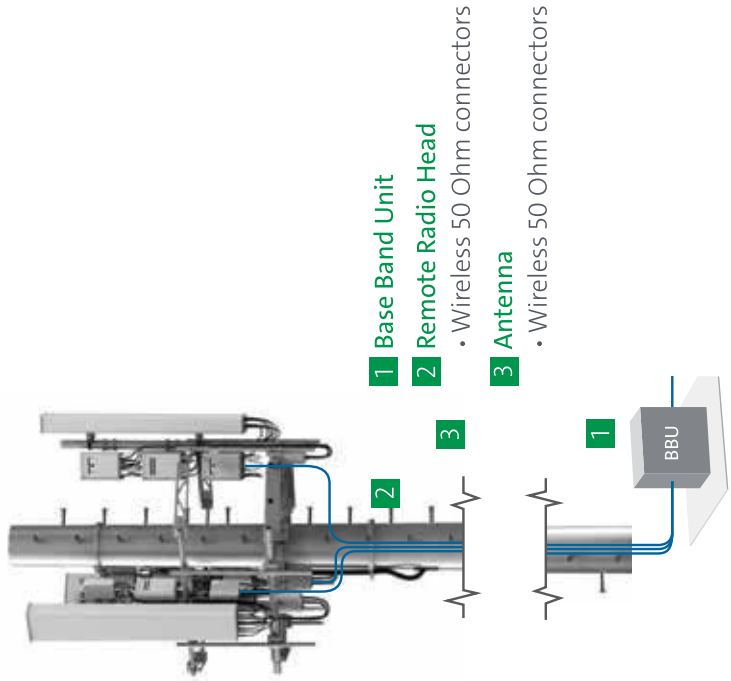
DoubleClick Wireless Connectors

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.



Interfaces Available			
7/16 (DIN)	4.7/9.5 (mini DIN)	4.3/10 (mini DIN)	N
Connectors are available for the following cable sizes:			
1/2 in	7/8 in	1 1/4 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
7/8-in Corrugated	78051250-01	NF/50-512/50	N Female for 1/2-in corrugated cable
	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
	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
1 1/4-in Corrugated	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
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Customer Care
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cc.emea@corning.com

Questions or Comments
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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

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Cable description: Full or part of description.

Sorted by

Inner conductor:	Minimum	Maximum	
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Outer sheath:	in mm.	in mm.	☐

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Search cable for:

Connectors, splice connectors and jumpers >>	Search
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Crimp connectors >>	Search
Compression connectors >>	Search

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LET'S CONNECT!



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