

Evolv® FlexNAP™ System with Multifiber Tethers

CORNING

The Corning FlexNAP™ system provides the most cost-effective method of deploying optical fiber in outside plant distribution networks at speeds significantly faster than traditional field installations. The FlexNAP system utilizes optical fiber cables upon which network access points are preinstalled at customer-specified locations along the length of the cable. The cable and network access points are tested and shipped as a complete distribution cable/terminal system.

Compatible with outside plant distribution applications in both aerial (overlash, dedicated messenger and self-support) and below-ground (direct-buried and duct installations down to 1.25-in duct). The Corning FlexNAP systems can be installed up to five times faster per network access point.

The increased speed of network deployment, along with the reliability of factory testing, offers significant value to the end user in the following key areas: deployment velocity, risk avoidance, workforce efficiency, capital avoidance, and deferment.

Features and Benefits

Factory-installed, sealed splice points (2, 4, 6, 8, or 12 fibers per tether)

Drastically reduces field splicing with a predetermined loss at each waterproof tether attachment point (TAP)

Flexible preterminated access points

Utilizes traditional field-installation techniques for aerial, below-grade, and duct applications

Maximum of two tethers per attachment point

Up to 24 fibers at each designated TAP

Distribution cables available in ALTOS® Loose Tube Gel-Free Cable, ALTOS Figure-8, ALTOS Lite Gel-Free Armored Cable and RPX® Ribbon Cable

Field familiarity with traditional network cable types

Evolv® Terminals may be configured with 2, 4, 6, 8, or 12 Pushlok™ Connectors

Allow multiple configuration variations that are suitable for aerial, below-ground, and duct applications

Standards

Design and Test Criteria GR-3122, GR-771, GR-3120, GR-3152



Evolv FlexNAP with Multifiber Pushlok Tether

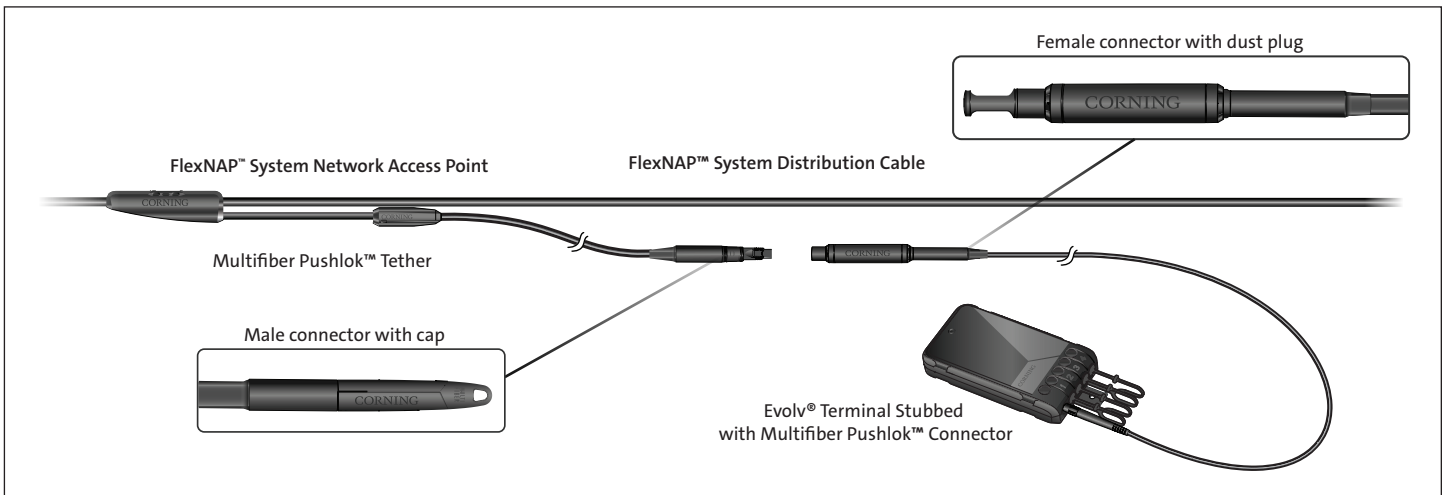


Evolv Stubless Multifiber Terminal

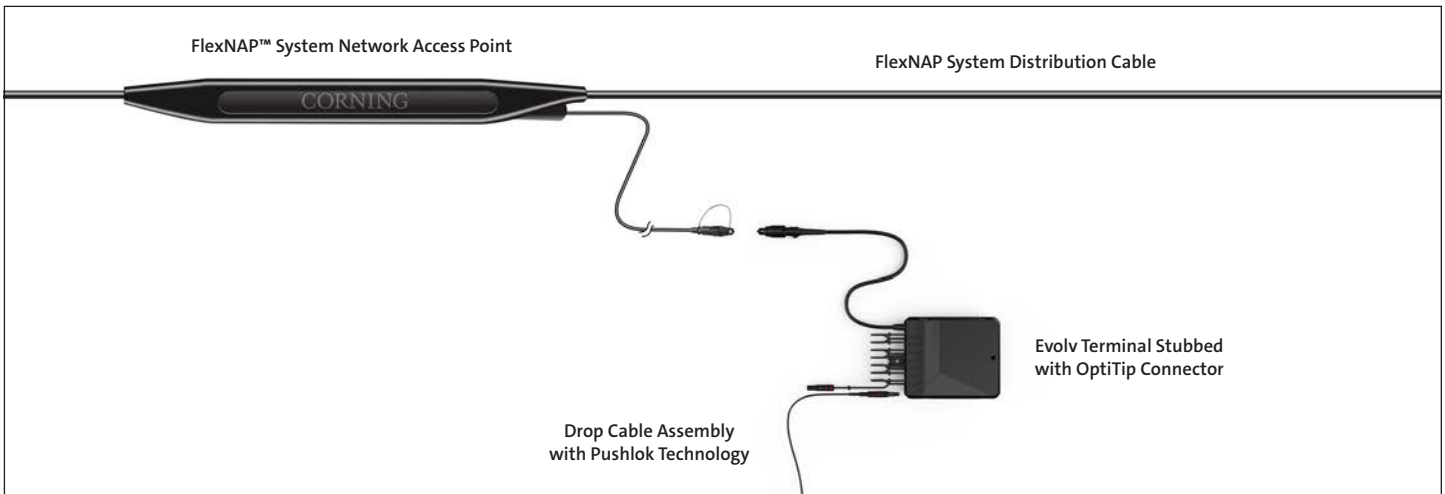
Evolv® FlexNAP™ System with Multifiber Tethers

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FlexNAP™ System Components



RPX® Ribbon FlexNAP™ System Diagram with Multifiber Pushlok™ Tethers



Loose Tube FlexNAP™ System Diagram with OptiTip® Tethers

A FlexNAP™ System cable consists of four components:

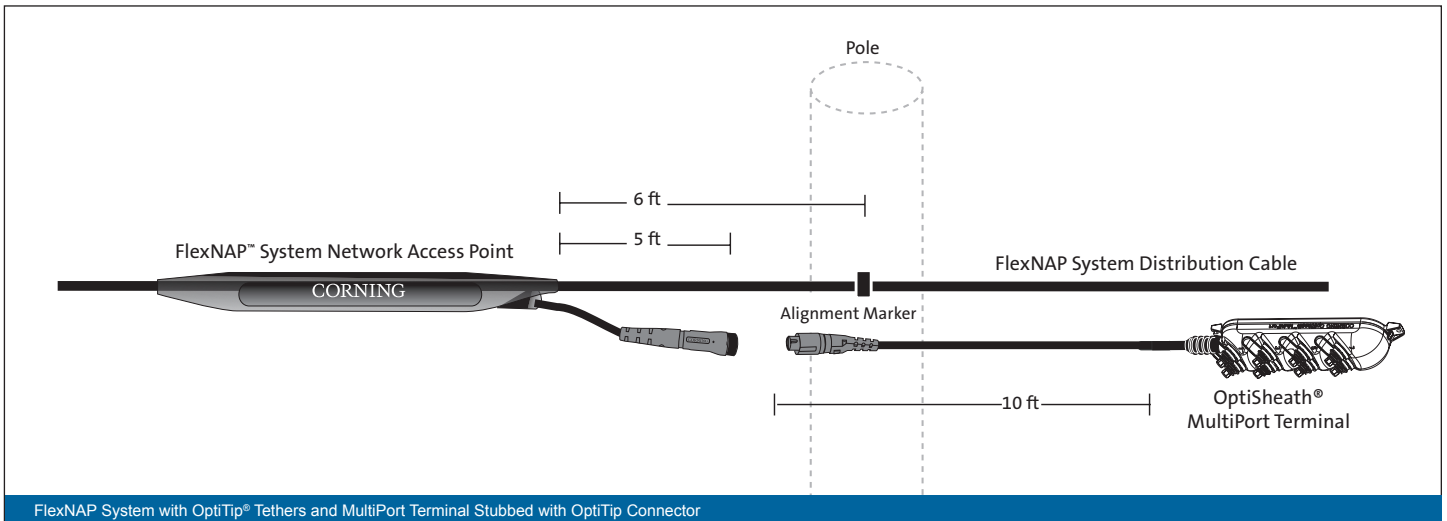
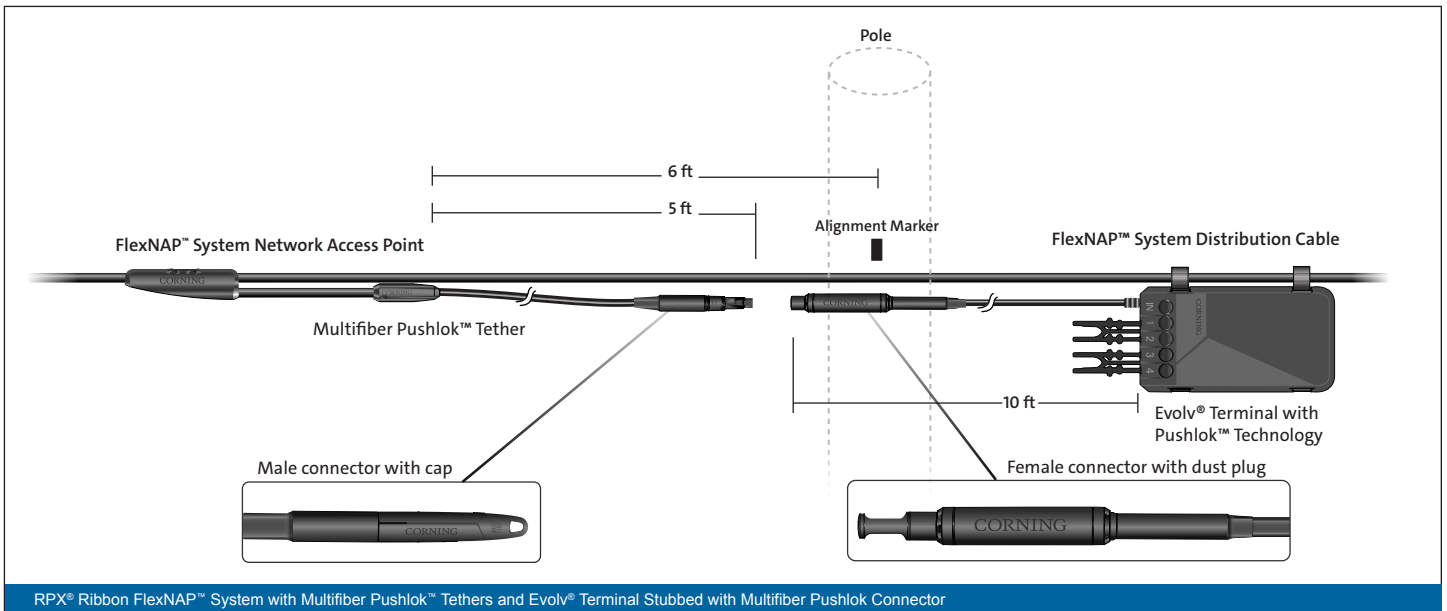
1. FlexNAP system distribution cable
2. FlexNAP system network access points (with multifiber tethers)
3. Evolv Terminal
4. Drop Cable Assembly with Pushlok Technology

Evolv® FlexNAP™ System with Multifiber Tethers



Sample Design Layouts

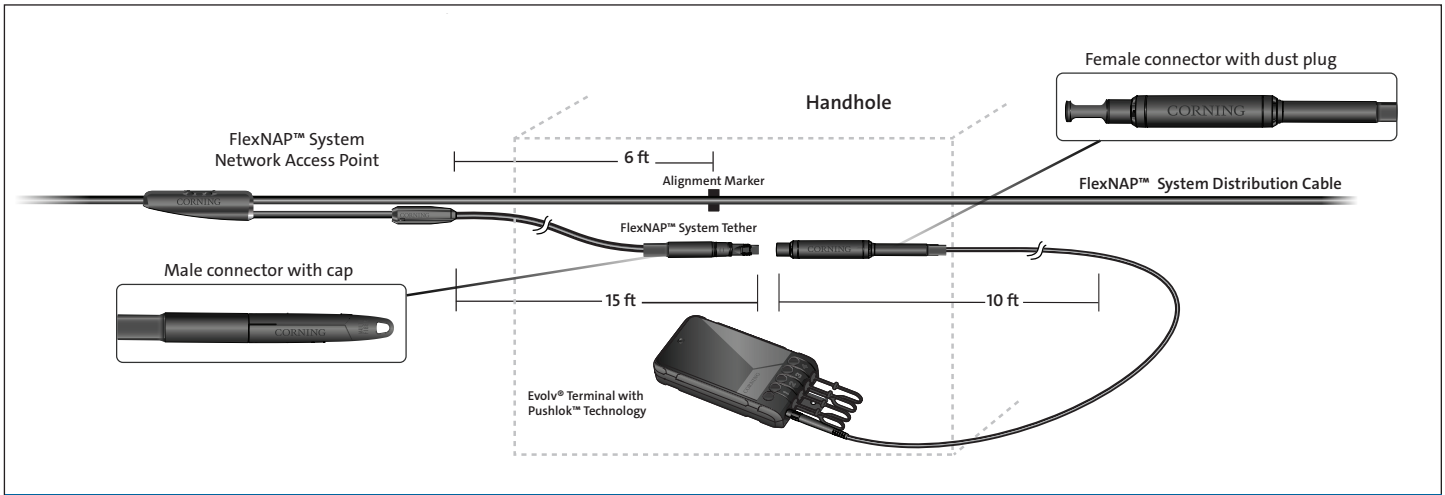
Aerial FlexNAP™ Installations



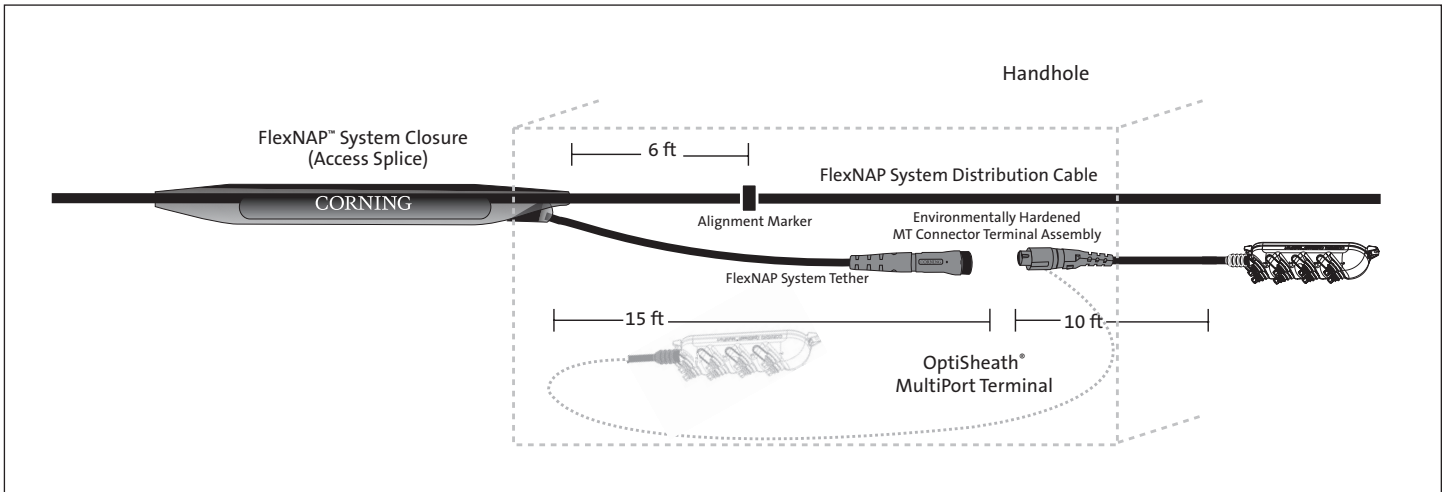
Evolv® FlexNAP™ System with Multifiber Tethers



Buried/Duct FlexNAP™ Installations



RPX® Ribbon FlexNAP™ System with Multifiber Pushlok™ Tethers and Evolv® Terminal Stubbed with Multifiber Pushlok Connector

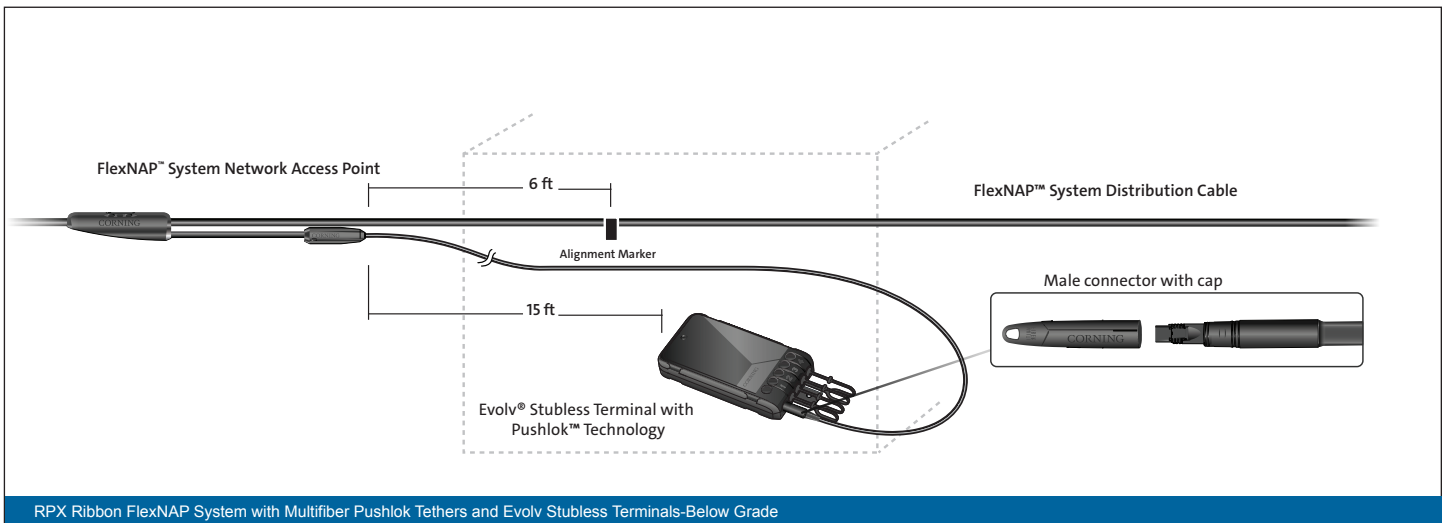
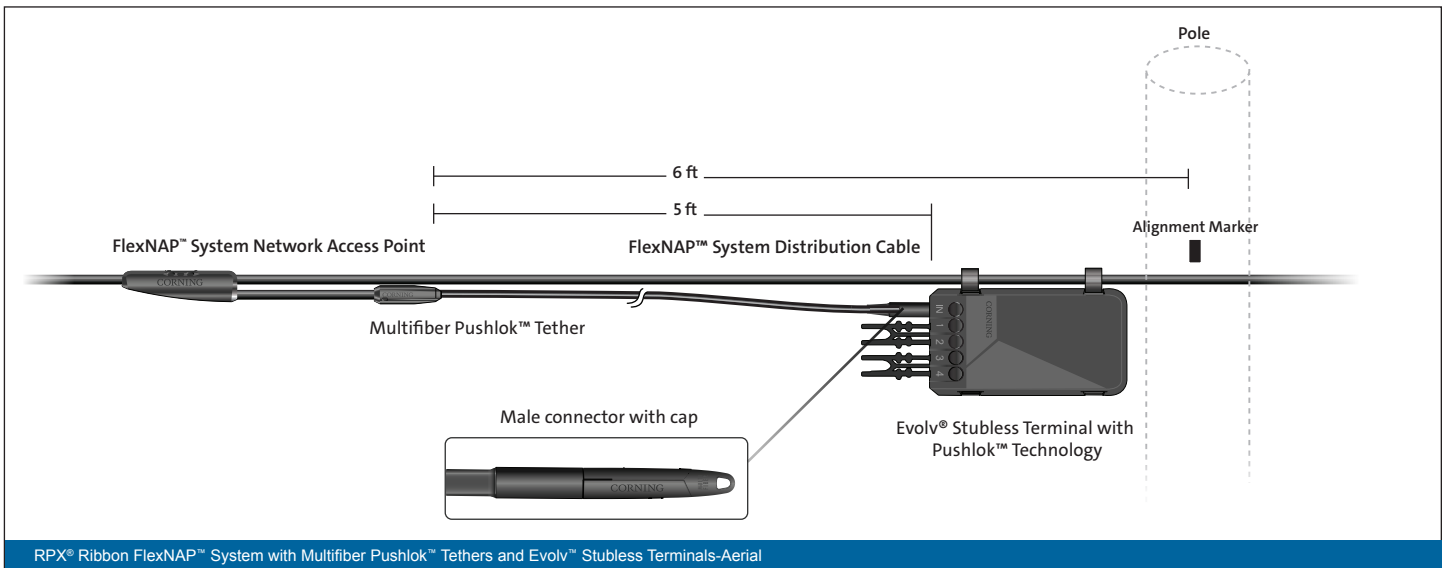


FlexNAP System with OptiTip Tethers and MultiPort Terminal Stubbed with OptiTip Connector

Evolv® FlexNAP™ System with Multifiber Tethers



FlexNAP™ Installations with Stubless Multifiber Terminals



Note: Evolv Stubless Multifiber Terminals are compatible only with Multifiber Pushlok tethers, tether extenders, or pigtails

Evolv® FlexNAP™ System with Multifiber Tethers



FlexNAP™ Cable Specifications

Type	Maximum Distribution Cable Fiber Count	Minimum Duct Size (in)	Maximum Fibers per Access Point	Maximum Tether Assemblies per Access Point	Nominal Overmold Outer Diameter mm (in)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)	Maximum Tensile Load Short-Term N (lbf)	Maximum Tensile Load Long-Term N (lbf)
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FlexNAP™ System – Loose Tube Dielectric

Low-Profile	≤ 72	1.25	24	2	28 (1.1)	158 (6.2)	105 (4.1)	2,700 (600)	890 (200)
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Note: Dual-tether locations will have two individual single-tether access points

Standard	≤ 72	2	24	2	36 (1.4)	158 (6.2)	105 (4.1)	2,700 (600)	890 (200)
High-Fiber-Count	96	2	24	2	44 (1.7)	183 (7.2)	122 (4.8)	2,700 (600)	890 (200)
	144	2	24	2	44 (1.7)	237 (9.3)	158 (6.2)	2,700 (600)	890 (200)
	216	2	24	2	44 (1.7)	240 (9.4)	160 (6.3)	2,700 (600)	890 (200)
	288	3	24	2	55 (2.2)	273 (10.7)	182 (7.2)	2,700 (600)	890 (200)
	432	3	24	2	65 (2.2)	318 (12.5)	212 (8.3)	2,700 (600)	890 (200)

Note: 288F and 432F cables only allow tethers to be built in the outer layer of buffer tubes.

Type	Maximum Distribution Cable Fiber Count	Minimum Duct Size (in)	Maximum Fibers per Access Point	Maximum Tether Assemblies per Access Point	Nominal Overmold Outer Diameter mm (in)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)	Maximum Tensile Load Short-Term N (lbf)	Maximum Tensile Load Long-Term N (lbf)
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FlexNAP System – Loose Tube Armored

Standard	≤ 72	2	24	2	44 (1.7)	182 (7.2)	121 (4.8)	2,700 (600)	890 (200)
High-Fiber-Count	96	3	24	2	50 (2.0)	207 (8.1)	138 (5.4)	2,700 (600)	890 (200)
	144	3	24	2	50 (2.0)	263 (10.4)	175 (6.9)	2,700 (600)	890 (200)
	216	3	24	2	50 (2.0)	266 (10.5)	177 (7.0)	2,700 (600)	890 (200)
	288	3	24	2	55 (2.2)	273 (10.7)	182 (7.2)	2,700 (600)	890 (200)
	432	3	24	2	55 (2.2)	318 (12.5)	212 (8.3)	2,700 (600)	890 (200)

Note: 288F and 432F cables only allow tethers to be built in the outer layer of buffer tubes.

Type	Maximum Distribution Cable Fiber Count	Minimum Duct Size (in)	Maximum Fibers per Access Point	Maximum Tether Assemblies per Access Point	Nominal Overmold Outer Diameter mm (in)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)	Maximum Tensile Load Short-Term N (lbf)	Maximum Tensile Load Long-Term N (lbf)
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FlexNAP System – Dielectric or Toneable RPX® Ribbon Cables

24, 48, 72, 96, 144	1.25	24	2	30.7 (1.2)	229 (9.0)	229 (9.0)	2,700 (600)	890 (200)
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Note: All cable types allow two or three access points each 3-ft apart resulting in four or six tethers at the same location for a maximum of 72 fibers. This dual or triple tap option eliminates branch splices to mate with preterminated lateral FlexNAP cables or allows for higher count MDU terminal connectivity without splicing.

Evolv[®] FlexNAP[™] System with Multifiber Tethers



Multifiber Tether Specifications

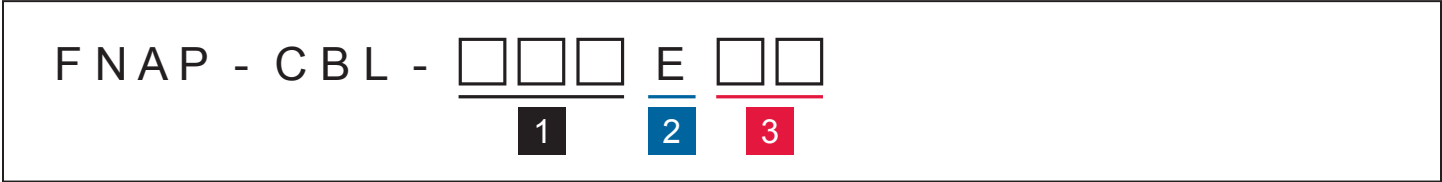
Tether Application	Tether Length (ft)	Connector Style	Cable Type	Available Fiber Counts	Insertion Loss (dB) Typical	Reflectance (dB) Typical	Polish	Alignment Mechanism
Multifiber Pushlok[™] Tether								
Aerial	5	Male Multifiber Pushlok Connector	Dielectric SST-Drop [™]	2, 4, 6, 8, 12	0.15	≤ -65	8° angle	Stainless steel guide pins
Below Ground/Duct	15	Male Multifiber Pushlok Connector	Dielectric SST-Drop	2, 4, 6, 8, 12	0.15	≤ -65	8° angle	Stainless steel guide pins

Tether Application	Tether Length (ft)	Connector Style	Cable Type	Available Fiber Counts	Max Insertion Loss (dB) Typical	Reflectance (dB) Typical	Polish	Alignment Mechanism
OptiTip[®] MT Tether								
Aerial	5	OptiTip MT Pinned	SST flat drop	2, 4, 6, 8, 12	0.35	≤ -65	8° angle	Stainless steel guide pins
Below Ground/Duct	15	OptiTip MT Pinned	SST flat drop	2, 4, 6, 8, 12	0.35	≤ -65	8° angle	Stainless steel guide pins

Evolv® FlexNAP™ System with Multifiber Tethers



FlexNAP™ Distribution Trunk Cables Ordering Information



- 1 Select fiber count**
- 012 = 12 fibers
 - 024 = 24 fibers
 - 036 = 36 fibers
 - 048 = 48 fibers
 - 060 = 60 fibers
 - 072 = 72 fibers
 - 096 = 96 fibers
 - 144 = 144 fibers
 - 216 = 216 fibers
 - 288 = 288 fibers
 - 432 = 432 fibers

See Notes 1-4.

- 2 Defines fiber type**
- E = Single-mode (OS2)

- 3 Select cable type**
- U4 = ALTOS® loose tube gel-free
 - UA = Figure-8 loose tube
 - V4 = RPX® gel-free dielectric flat ribbon
 - UC = ALTOS Lite gel-free armored
 - V2 = RPX gel-free toneable flat ribbon
 - UF = Loose tube flame retardant

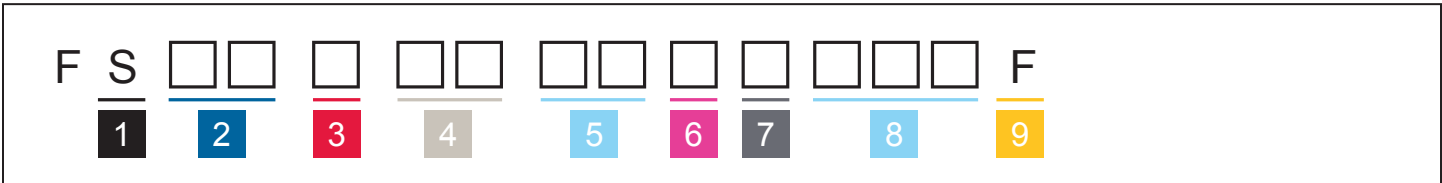
Notes:

1. RPX Cables available in 24-, 48-, 72-, 96-, and 144-fiber counts only.
2. 216 fiber only in ALTOS All-Dielectric Cable, ALTOS Lite Gel-Free Armored Cable and figure-8 cable.
3. 288 and 432 fiber only in ALTOS All-Dielectric Cable and ALTOS Lite Gel-Free Armored Cable.
4. 288 fiber cable allows 168 preconnectorized fibers, 432 fiber cable allows 204 preconnectorized fibers.

Evolv® FlexNAP™ System with Multifiber Tethers



First Tether Attachment Ordering Information



1 Defines fiber type
S = Single-mode (OS2)

2 Select cable type
U4 = ALTOS® loose tube gel-free
UA = Figure-8 loose tube
V4 = RPX® gel-free dielectric flat ribbon
UC = ALTOS Lite gel-free armored
V2 = RPX gel-free toneable flat ribbon
UF = Loose tube flame retardant

3 Select TAP type
A = Standard overmold for loose tube
C = Slim Loose Tube 1.25-in overmold* (≤ 72 fiber; U4 cable only)
N = RPX 1.25-in overmold (V2 and V4 cable only)

4 Select fiber count
02 = 2 fibers
04 = 4 fibers
06 = 6 fibers
08 = 8 fibers
12 = 12 fibers

5 Select tether type
M2 = OptiTip® MT connector (pinned)
T2 = Multifiber Pushlok™ connector (male)

6 Select installation environment
T = Aerial 5 ft standard length
R = Below grade 15 ft standard length

7 Select end cap type
N = No loop back
L = Loop back dust cap†
F = Locatable dust cap*

8 Select tether length in ft
005 = Aerial
015 = Below grade and/or duct

9 Defines unit of measure for tether length
F = Feet

*Locatable dust cap available only on 15-ft below-grade and/or duct tethers.

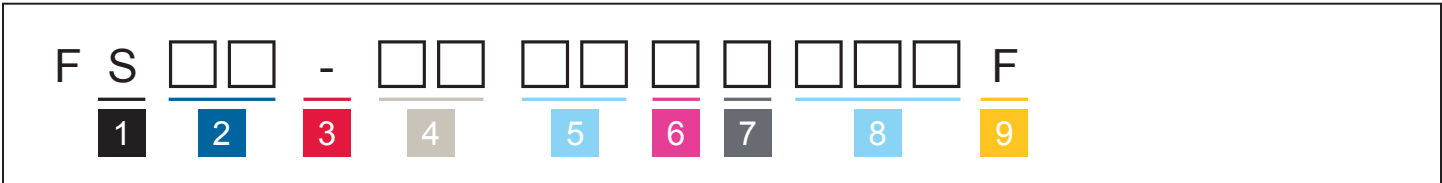
†Loop back dust cap available only on OptiTip tethers.

*Slim overmolds can have only one tether

Evolv[®] FlexNAP[™] System with Multifiber Tethers



Second Tether Attachment Ordering Information



1 Defines fiber type
S = Single-mode (OS2)

2 Select cable type
U4 = ALTOS[®] loose tube gel-free
UA = Figure-8 loose tube
V4 = RPX[®] gel-free dielectric flat ribbon
UC = ALTOS Lite gel-free armored flat ribbon
V2 = RPX gel-free toneable flat ribbon
UF = Loose tube flame retardant

3 Defines TAP type
- = Second tether attachment point

4 Select fiber count
02 = 2 fibers
04 = 4 fibers
06 = 6 fibers
08 = 8 fibers
12 = 12 fibers

5 Select tether type
M2 = OptiTip[®] MT connector (pinned)
T2 = Multifiber Pushlok[™] connector (male)

6 Select installation environment
T = Aerial
R = Below grade

7 Select end cap type
N = No loop back
L = Loop back dust cap*

8 Select tether length in ft
005 = Aerial
015 = Below grade and/or duct

9 Defines unit of measure for tether length
F = Feet

*Loop back dust cap available only on OptiTip tethers.

Evolv® FlexNAP™ System with Multifiber Tethers

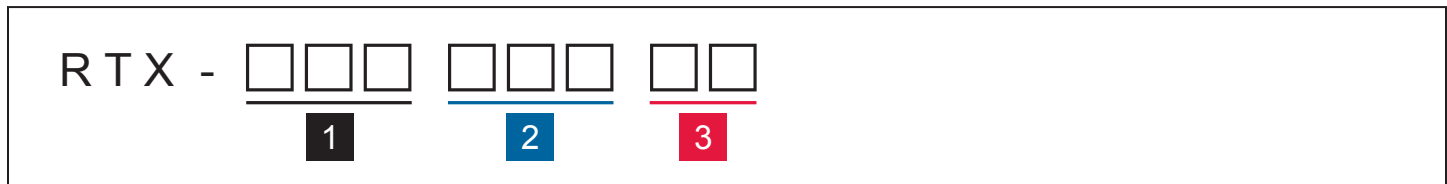


Preterminated Lateral Installation Details

A preterminated lateral is a factory-terminated solution for quick-and-easy connection to a parent FlexNAP™ cable, with the purpose of eliminating a field splice point. This allows passing smaller side streets in a neighborhood of 72 homes or less. The connectivity is achieved by adding one to four non-pinned connectors to the HE/CO/

cabinet side of the cable. These mate directly to the parent FlexNAP cable, providing connectivity without a need for tools. Preterminated laterals are available with the fiber counts of 12, 24, 36, 48, 60, or 72 maximum and at least one field-side TAP.

Ordering Information



1 Select fiber count

- 012 = 12 fibers (1 tether)
- 024 = 24 fibers (2 tethers)
- 036 = 36 fibers (3 tethers)
- 048 = 48 fibers (4 tethers)
- 060 = 60 fibers (5 tethers)
- 072 = 72 fibers (6 tethers)

2 Select cable type

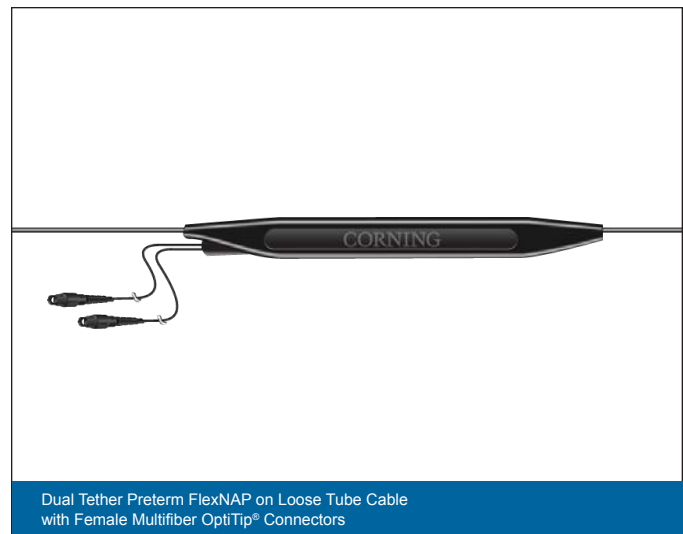
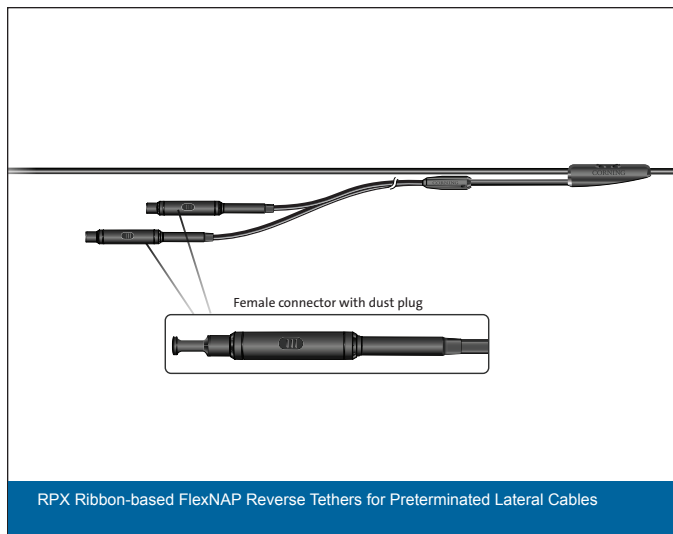
- EV4 = RPX® cable
- EUC = Armored loose tube
- EU4 = Dielectric loose tube
- EV2 = RPX toneable
- EUA = Figure-8 loose tube

3 Select connector type

- M1 = OptiTip® MT Connector (non pinned)
- T1 = Multifiber Pushlok™ Connector (female)

See note below.

Note: Female Multifiber Pushlok (T1 code) Connector available in EV4 and EV2.



Evolv® FlexNAP™ System with Multifiber Tethers



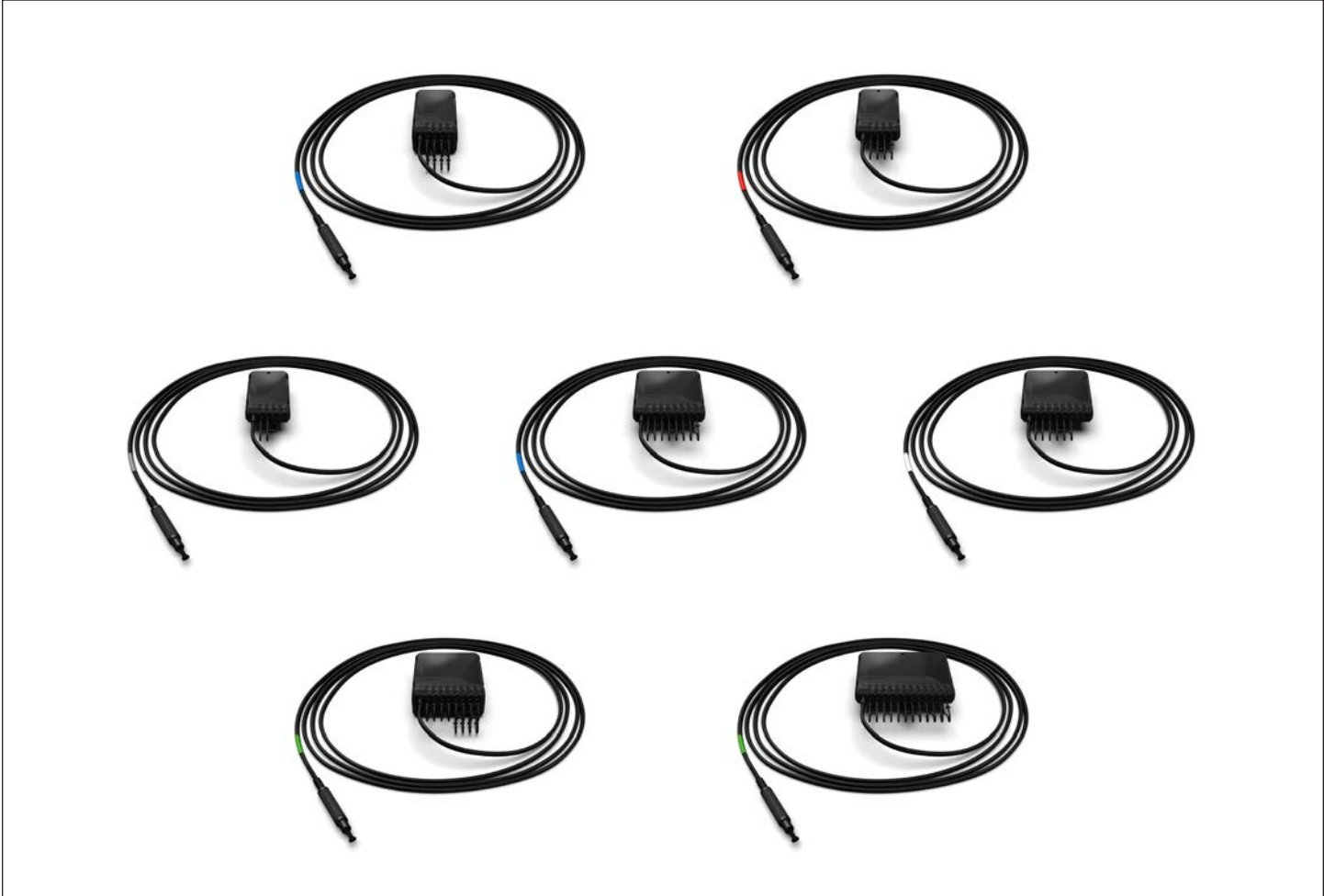
Cable Type with Max Lengths

Cable Type with Maximum Lengths in Feet and Meters			
Cable	Fiber Count	Maximum Length (m)	Maximum Length (ft)
ALTOS® Loose Tube, Gel-Free, Dielectric and Riser Cable	12 to 72 fibers	7,000	23,000
	96 fibers	5,500	18,000
	144 fibers	3,300	10,000
	216 fibers	4,000	13,000
	288 fibers	3,000	10,000
	432 fibers	2,400	8,000
ALTOS Figure-8 Loose Tube	12 to 72 fibers	1,500	4,900
	96 fibers	1,500	4,900
	144 fibers	1,200	4,000
	216 fibers	1,200	4,000
RPX® Toneable and Dielectric	24 fibers	7,000	23,000
	48 fibers	7,000	23,000
	72 fibers	6,500	21,000
	96 fibers	6,500	21,000
	144 fibers	5,500	21,000
ALTOS Loose Tube, Armored, Gel-Free	12 to 72 fibers	4,000	13,000
	96 fibers	3,000	9,600
	144 fibers	2,000	6,500
	216 fibers	2,400	8,000
	288 fibers	2,000	6,500
	432 fibers	1,600	5,200

Evolv® FlexNAP™ System with Multifiber Tethers



Evolv Stubbed Terminals with Pushlok™ Technology for FlexNAP™ Systems



Stubbed Terminals for FlexNAP Systems

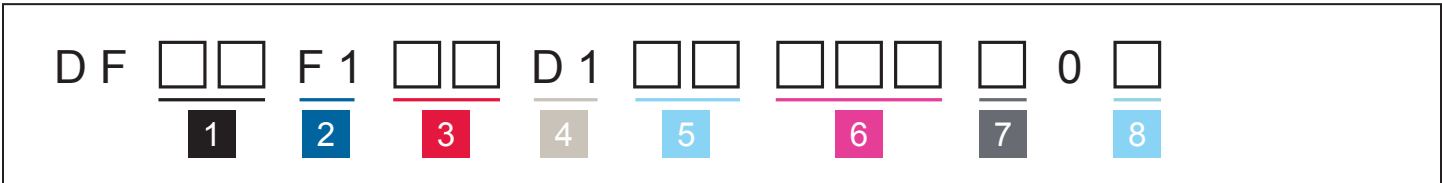
Stubbed Terminals for FlexNAP Systems

Part Number	Description
DFA2F1FDD1T1010F0P	Evolv Terminal with Pushlok Technology, 2 port, preconnectorized MF Pushlok stub, SST dielectric, 10 ft
DFA2F1TDD1T1025F0P	Evolv Terminal with Pushlok Technology, 2 port, preconnectorized MF Pushlok stub, SST toneable, 25 ft
DFA4F1FDD1T1010F0P	Evolv Terminal with Pushlok Technology, 4 port, preconnectorized MF Pushlok stub, SST dielectric, 10 ft
DFA4F1TDD1T1025F0P	Evolv Terminal with Pushlok Technology, 4 port, preconnectorized MF Pushlok stub, SST toneable, 25 ft
DFA6F1FDD1T1010F0P	Evolv Terminal with Pushlok Technology, 6 port, preconnectorized MF Pushlok stub, SST dielectric, 10 ft
DFA6F1TDD1T1025F0P	Evolv Terminal with Pushlok Technology, 6 port, preconnectorized MF Pushlok stub, SST toneable, 25 ft
DFA8F1FDD1T1010F0P	Evolv Terminal with Pushlok Technology, 8 port, preconnectorized MF Pushlok stub, SST dielectric, 10 ft
DFA8F1TDD1T1025F0P	Evolv Terminal with Pushlok Technology, 8 port, preconnectorized MF Pushlok stub, SST toneable, 25 ft
DFATF1FDD1T1010F0P	Evolv Terminal with Pushlok Technology, 12 port, preconnectorized MF Pushlok stub, SST dielectric, 10 ft
DFATF1TDD1T1025F0P	Evolv Terminal with Pushlok Technology, 12 port, preconnectorized MF Pushlok stub, SST toneable, 25 ft

Evolv® FlexNAP™ System with Multifiber Tethers



Evolv® Stubbed Terminal for FlexNAP™ Systems Ordering Information



1 Select number of Pushlok™ single-fiber connector ports
 A2 = 2 ports
 A4 = 4 ports
 A6 = 6 ports
 A8 = 8 ports
 AT = 12 ports
 B3 = 6 ports
 B4 = 8 ports
 B6 = 12 ports

2 Defines output port fiber count
 F1 = Single-fiber per port

3 Select cable type
 FD = SST flat dielectric drop cable
 TD = SST flat toneable drop cable

*The E extended 5-pack configuration is only available in 10-ft increments

4 Defines output connector type
 D1 = Single-fiber Pushlok SC APC

5 Select tail connector type
 T1 = Multifiber Pushlok Connector (female)
 M1 = OptiTip® Connector

6 Select cable stub length
 10-ft increments up to 3,400 ft available

See Table A for lengths ≥ 1,000 ft

7 Select unit length
 F = Feet
 M = Meters

8 Select packaging
 P = Standard spool – individual packaging
 Z = Reverse spool – individual packaging
 E = Reverse spool – 5-pack*
 B = Bulk packaging

A00 = 1,000	H00 = 1,700	Q00 = 2,400	X00 = 3,100
B00 = 1,100	J00 = 1,800	R00 = 2,500	Y00 = 3,200
C00 = 1,200	K00 = 1,900	S00 = 2,600	Z00 = 3,300
D00 = 1,300	L00 = 2,000	T00 = 2,700	
E00 = 1,400	M00 = 2,100	U00 = 2,800	
F00 = 1,500	N00 = 2,200	V00 = 2,900	
G00 = 1,600	P00 = 2,300	W00 = 3,000	

Evolv® FlexNAP™ System with Multifiber Tethers

CORNING

Evolv® Multifiber Stubless Terminals with Pushlok™ Technology for FlexNAP™ Systems



Evolv Stubless Multifiber Terminals

Stubless Terminals for FlexNAP Systems and Multifiber Drop Cable Assemblies

Part Number	Description
DFA2F100D1T3000S0P	Evolv Pushlok 2-Ports, 2 Fibers, Single row of ports, Multifiber Pushlok Stubless Terminal
DFA4F100D1T3000S0P	Evolv Pushlok 4-Ports, 4 Fibers, Single row of ports, Multifiber Pushlok Stubless Terminal
DFA6F100D1T3000S0P	Evolv Pushlok 6-Ports, 6 Fibers, Single row of ports, Multifiber Pushlok Stubless Terminal
DFA8F100D1T3000S0P	Evolv Pushlok 8-Ports, 8 Fibers, Single row of ports, Multifiber Pushlok Stubless Terminal
DFATF100D1T3000S0P	Evolv Pushlok 12-Ports, 12 Fibers, Single row of ports, Multifiber Pushlok Stubless Terminal
DFB3F100D1T3000S0P	Evolv Pushlok 6-Ports, 6 Fibers, Two rows of ports, Multifiber Pushlok Stubless Terminal
DFB4F100D1T3000S0P	Evolv Pushlok 8-Ports, 8 Fibers, Two rows of ports, Multifiber Pushlok Stubless Terminal
DFB6F100D1T3000S0P	Evolv Pushlok 12-Ports, 12 Fibers, Two rows of ports, Multifiber Pushlok Stubless Terminal

Evolv® FlexNAP™ System with Multifiber Tethers



Evolv® Stubless Terminal for FlexNAP™ Systems Ordering Information



1 Select number of Pushlok™ single-fiber connector ports
A2 = 2 ports
A4 = 4 ports
A6 = 6 ports
A8 = 8 ports
AT = 12 ports
B3 = 6 ports (2 rows of 4 ports, 2 filled)
B4 = 8 ports (2 rows of 4 ports)
B6 = 12 ports (2 rows of 8 ports, 4 filled)

2 Defines output port fiber count
F1 = Single-fiber per port

3 Defines output port type
D1 = Single-fiber Pushlok SC APC

4 Defines tail connector type
T3 = Multifiber Pushlok Input Port

5 Defines terminal
S = Stubless Terminal

6 Select packaging
P = Individual packaging
B = Bulk packaging

Evolv® FlexNAP™ System with Multifiber Tethers



Multifiber Pushlok™ Assemblies

The Multifiber Pushlok™ assembly is designed for use in outside plant fiber access networks with the FlexNAP™ system and MDU, LPT and Evolv® terminals. This innovative cable assembly solution provides enhanced design flexibility, increased deployment speed, and reduced installation cost.

The Multifiber Pushlok connector is the key enabler for quick connect of up to 12 fibers at a time. The connector is based on the field-proven MTP® connector technology encapsulated in a hardened package suitable for use in any environment. A Multifiber Pushlok connector (non-pinned) version and a Multifiber Pushlok in-line connector (pinned) version are easily joined to make a watertight terminal or in-line connection. Factory installation and testing ensures reliable, low optical loss on all fibers.

Pushlok assemblies are available with SST-Drop™ Outdoor Cable, FREEDM® Flat Drop Indoor/Outdoor LSZH™ cable, or Evolv Round Cable which allows for easy migration of indoor and outdoor applications. The Pushlok assembly is available with either pinned or non-pinned Multifiber Pushlok connectors to match your network needs.

Features and Benefits

Multifiber Pushlok preterminated cabling solution

Up to 50% faster per system deployment

Factory-tested

Quick, reliable installation

Flexibility for various network designs

Indoor and outdoor application

Multifiber Pushlok Connector

Compatible with FlexNAP system, MDU terminals, Evolv terminals

Robust design keeps connector intact during installation

Integral pulling eye/connector cap designed for 50 lb maximum pulling tension

Standards

Design and Test Criteria

Telcordia GR-3152 RUS

Telcordia GR-1435



Female Multifiber Pushlok Connector



Male Multifiber Pushlok Connector

Evolv® FlexNAP™ System with Multifiber Tethers



Connector Specifications

Multifiber Pushlok™ Connectors	
Operation	-40°C to 70°C (-40°F to 158°F)
Length	SST-Drop™ Cable 4.70 in (120 mm) Multifiber Pushlok in-line connector, tip to end of boot; 5.53 in (141 mm) with dust plug installed, Round Cable 7.00 in (178 mm) Multifiber Pushlok in-line connector, tip to end of boot; 7.82 in (199 mm) with dust plug installed, SST Cable 7.00 in (178 mm) Multifiber Pushlok connector, tip to end of boot; 7.74 in (197 mm) with dust cap installed, Round Cable 5.56 in (142 mm) Multifiber Pushlok connector, tip to end of boot; 6.27 in (160 mm) with dust cap
Maximum Outer Diameter	Multifiber Pushlok connector 0.48 in: minimum recommended duct size is 0.75 in
Mateability	Multifiber Pushlok in-line connector 0.69 in: minimum recommended duct size is 1-in pinned alignment, Multifiber Pushlok connector to in-line connector or Multifiber Pushlok connector to terminal point
Qualification	EIA/TIA 568-B.3, GR-3152, IP69K and IP68
Reflectance	Single-mode OS2: ≤ -65 dB
Tensile Strength	50 lb when factory installed on SST-Drop™ or FREEDM® Flat-Drop Cable and 25 lb when installed on Evolv® Multifiber Round Cable
Insertion Loss, Maximum	0.35 dB maximum per fiber
Insertion Loss, Typical	0.15 dB typical per fiber

*Full specifications for environmental hardiness are available upon request: Gen. Spec doc. PGS115(108)

LC and SC Compatible Connectors	
Operation	-40°C to 70°C (-40°F to 158°F)
Intermateability	TIA/EIA-568-B.3, FOCIS - TIA/EIA-604-10 (LC), TIA/EIA-604-3 (SC)
Qualification	EIA/TIA 568-B.3
Reflectance	Single-mode OS2: ≤ -55 dB
Insertion Loss, Maximum	0.5 dB maximum per fiber, 0.2 dB typical
Tensile Strength	≤ 0.2 dB change, 15 lb FOTP-6

Evolv[®] FlexNAP[™] System with Multifiber Tethers

CORNING

Cable Specifications

SST-Drop [™] Outdoor Cable	
Installation	-22°F to 158°F (-30°C to 70°C)
Operation	-40°F to 158°F (-40°C to 70°C)
Qualification	GR-20, EIA/TIA 568-B.3, RDUP listed
Weight	20 lbs/1,000 ft (30 kg/km)
Outside Diameter	0.32 in (8.1 mm)
Tensile Strength	300 lbs (1350N)
Compressive Loading	125 lb/in (220N/cm)

Note: Full specifications for environmental hardiness are available upon request: Gen. Spec doc. PGS115(108)

FREEDM [®] LSZH [™] Flat-Drop Indoor/Outdoor Cable	
Installation	-22°F to 158°F (-30°C to 70°C)
Operation	-40°F to 158°F (-40°C to 70°C)
Qualification	GR-20, EIA/TIA 568-B.3, RDUP listed
Weight	20 lbs/1,000 ft (30 kg/km)
Outside Diameter	0.32 in (8.1 mm)
Tensile Strength	300 lbs (1350N)
Compressive Loading	125 lb/in (220N/cm)

Note: Full specifications for environmental hardiness are available upon request: Gen. Spec doc. PGS115(108)

Multifiber Round Cable	
Installation	23°F to 122°F (-5°C to 50°C)
Operation	-13°F to 140°F (-25°C to 60°C)
Qualification	GR-20, EIA/TIA 568-B.3, RDUP listed
Weight	12 lbs/1,000 ft (18 kg/km)
Outside Diameter	0.18 in (4.6 mm)
Tensile Strength	300 lbs (1350N)
Compressive Loading	125 lb/in (220N/cm)

Note: Full specifications for environmental hardiness are available upon request: Gen. Spec doc. PGS115(108)

Evolv[®] FlexNAP[™] System with Multifiber Tethers

CORNING

Pushlok[™] Multifiber Assembly

Pushlok[™] Multifiber Assemblies can be configured as jumpers with either male or female multifiber Pushlok connectors on either end or as pigtailed assemblies depending on the application. As an example, male to male Pushlok assemblies can be leveraged when daisy-chaining terminals together.



Pushlok Multifiber Assembly (Male to Male)

Pushlok Multifiber Extender

The Pushlok Multifiber Extender is an outdoor or indoor/outdoor cable factory terminated with a female Pushlok Multifiber Connector on one end and a male Pushlok Multifiber Connector on the other end. Each connector is protected from dust and water ingress by either a dust plug (female) or dust cap (male) with integrated pulling eye.



Pushlok Multifiber Extender

Pushlok Multifiber Harness Assembly

The Pushlok Multifiber Harness Assembly is an outdoor or indoor/outdoor cable factory terminated with a Pushlok Multifiber connector on one end and a furcation and breakout to LC or SC single-fiber connectors or an MTP[®] multifiber connector on the other end. Single fiber connectors are terminated on 24-in long, 2.0-mm jacketed furcation legs. The MTP connector is terminated on a 24-in long, 2.9-mm round furcation leg.

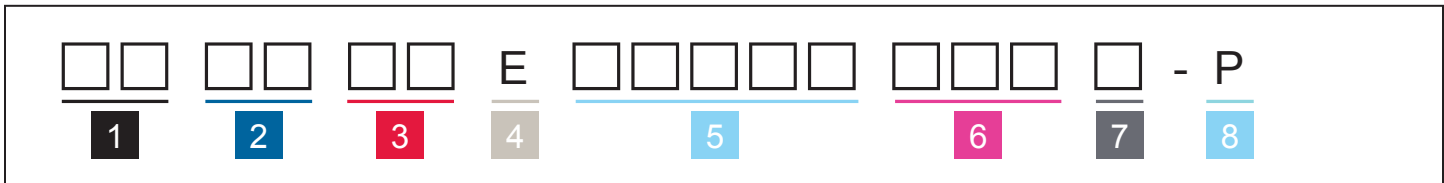


Pushlok Multifiber Harness Assembly (Female Pushlok to LC UPC connectors)

Evolv® FlexNAP™ System with Multifiber Tethers



Ordering Information



1 Select connector type 1
 00 = Stub end
 T1 = Multifiber Pushlok™ Connector (female)
 T2 = Multifiber Pushlok Connector (male)

3 Select fiber count
 02 = 2 fibers
 04 = 4 fibers
 06 = 6 fibers
 08 = 8 fibers
 12 = 12 fibers

6 Select length
 003 = 3 ft*
 050 = 50 ft
 100 = 100 ft
 A00 = 1,000 ft

2 Select connector type 2
 T1 = Multifiber Pushlok Connector (female)
 T2 = Multifiber Pushlok Connector (male)
 M1 = OptiTip®, non-pinned
 M2 = OptiTip, pinned
 02 = LC UPC
 44 = SC APC
 58 = SC UPC
 90 = MTP®

4 Defines fiber type
 E = Single-mode

7 Select unit of measure
 F = Feet
 M = Meters

5 Select cable type
 B4D1E = SST-Drop™ Dielectric Cable
 B1D1E = SST-Drop Toneable Cable (single-mode only)
 BZD1X = FREEDM® LSZH™ Flat Drop Cable
 B4D3E = Evolv® Multifiber Round Cable†

8 Defines packaging
 P = Individual packaging

Notes:

For lengths greater than 100 ft (30 m), contact Customer Care.
 Minimum length is 10 ft (3 m). All other lengths must be ordered in 10 or 25 ft increments.
 *3 ft option only available for maintenance extender combining T1/T2 connector code with M1/M2 connector code.
 †M1 and M2 connector types are not available with the B4D3E option for Evolv Multifiber Round Cable.



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