

# OptiTap® 1F, OptiTap to SC APC Connector, Heat-shrink Furcation, Toneable, Jumper

Single-mode (OS2), 10 ft

CORNING

As an industry leader in optical connectivity products, Corning designs and manufactures the ROC™ drop cable assembly with factory-terminated, environmentally sealed and hardened connectors to reduce the cost and time of drop cable deployment. Corning OptiTap® connector design provides superior durability and reliability in the drop segment of the network. This new assembly also offers significant improvements in cable management.

## Features and Benefits

### Smaller profile and reduced bend-radius

Designed for rapid connection to external flush-mounted bulkhead adapters on terminals or closures

### Robust design keeps connector intact during installation

Integral pulling eye/connector cap designed for 100 lb maximum pulling tension



## Standards

**Approvals and Listings** ROC™ drop cable fully compliant with Telcordia GR-20 requirements

**Design and Test Criteria** Telcordia GR-3120

## Specifications

### General Specifications

Application	Aerial, Direct Buried, Duct
Cable Type	ROC™ toneable drop
Fiber Category	Single-mode (OS2)
Packaging	Individual Packaging
Product Type	Drop Assemblies
Termination	Both ends

### Temperature Range

Operation	-40 °C to 70 °C (-40 °F to 158 °F)
-----------	------------------------------------

# OptiTap® 1F, OptiTap to SC APC Connector, Heat-shrink Furcation, Toneable, Jumper

Single-mode (OS2), 10 ft

CORNING

## Mechanical Characteristics

Axial Pull, Plug to Cable, Through the Dust Cap	100 lb in axial pull with load applied to the dust cap
Axial Pull, Plug to Adapter Coupling Strength	50 lb
Cold Mate/Demate	-40 °C mechanical testing
Weight	0.27 kg (0.5 lb)
Cable Length	3 m (10 ft)

## Design - Connector A

Connector Type	SC APC OptiTap® Connector
----------------	---------------------------

## Optical Specifications - Connector A

Insertion Loss, Typical	≤ 0.15 dB
Reflectance, Typical	-65 dB

## Design - Connector B

Connector Type	SC APC Connector (simplex) on 2.9 mm leg with Pulling Grip
----------------	--

## Optical Specifications - Connector B

Insertion Loss, Typical	≤ 0.15 dB
Reflectance, Typical	-65 dB

## Furcation - Connector B

Leg Diameter	2.9 mm
Plug Type	Heat-shrink sleeve

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
------	---

# OptiTap® 1F, OptiTap to SC APC Connector, Heat-shrink Furcation, Toneable, Jumper

Single-mode (OS2), 10 ft

CORNING

## Fiber Specifications

Optical Characteristics (cabled)	
Fiber Type	Single-mode
Fiber Core Diameter	8.2 µm
Fiber Category	OS2
Fiber Code	E
Performance Option Code	01
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.65 dB/km / 0.65 dB/km / 0.5 dB/km
Serial 1 Gigabit Ethernet	5000 m / - / -
Serial 10 Gigabit Ethernet	10000 m / - / 40000 m

\* ITU-T G.652 D compliant.

\* Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.

Notes: 1) Improved attenuation and bandwidth options available.  
2) Bend-insensitive single-mode fibers available on request.  
3) Contact a Corning Customer Care Representative for additional information.

## Ordering Information

Part Number	434401EB1R2010F-P
Product Description	OptiTap® Single-Fiber ROC™ Drop, OptiTap to SC APC Single-Fiber connector, Heat-shrink Furcation, Toneable, Gel-Free Cable Assembly, individual packaging, 2.9 mm legs, Single-mode (OS2), 10 ft
EAN Code	4056418608082

## Shipping Information

Units per Delivery	1/1
Packaging Dimensions (L x H x W)	508 mm x 76 mm x 508 mm (20 in x 3 in x 20 in)
Packaging Method	Box



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • [www.corning.com/opcomm](http://www.corning.com/opcomm)

A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/trademarks](http://www.corning.com/opcomm/trademarks). All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2017 Corning Optical Communications. All rights reserved.

CORNING