

ROC™ Drop Cable Assemblies

CORNING

Features and Benefits

OptiTap® connector technology

Industry standard for existing FTTx installations

Reduced optimized cable cross section

Smaller profile and bend radius. Flexibility allows for increased slack storage capacity in existing optical network terminals (ONTs), pedestals and handholes

Robust design

Designed for rapid connection to external flush-mounted bulkhead adapters on terminals or closures. Integral pulling eye/connector cap on OptiTap connector designed for 100 lb maximum pulling tension; can be pulled through 1.25-in conduit

Flexible connector offerings

OptiTap® Connector SC APC or pigtailed versions to accommodate any ONT interface

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.

By featuring the ROC drop cable design, issues of slack storage capacity are virtually eliminated. The ROC drop cable minimum bend radius is half the size of legacy drop cable. The outer dimensions of the cable have been reduced by more than 50 percent. ROC drop cables are more flexible, allowing for easier routing and mating of OptiTap connectors at the ONT. Installers will see a reduction in truck storage space requirements with this new design.

- Available with one or both ends connectorized
- Hybrid (one end with an OptiTap® Connector, one end with standard SC connector) available with or without pulling grip
- Available in dielectric or toneable
- Designed for aerial, direct-buried or duct installation
- Self-supporting at 40 lbf installation tension, 150 ft

Standards

Approvals and Listings	ROC™ drop cable fully compliant with Telcordia GR-20 requirements
Design and Test Criteria	Telcordia GR-3120



ROC Drop Cable Assembly
| Photo PIM0496



OptiTap Connector to SC APC Single-Mode Cable
Assembly | Photo PIM0499

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Specifications

Copper Connector

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

Cable Assemblies

Axial Pull, Plug to Adapter Coupling Strength	50 lb
Axial Pull, Plug to Cable, Through the Dust Cap	100 lb
Cold Mate/Demate	-40 °C mechanical testing

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Ordering Information

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	0 1 E B	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	- P
1	2				3	4	5		6

- 1** Select end one connector.
- 00 = No connector
 - 41 = OptiTap® Connector, SC UPC
 - 43 = OptiTap Connector, SC APC

- 2** Select input.
- 41 = OptiTap Connector, SC UPC
 - 43 = OptiTap Connector, SC APC
 - 44 = SC APC connector, simplex
 - 58 = SC UPC connector, simplex

- 3** Select cable type.
- 4FR = ROC™ Drop Dielectric Cable
 - 4R2 = ROC Dielectric Cable, heat-shrink furcation, 2.0 mm leg on simplex connector end
 - 4R3 = ROC Dielectric Cable, heat-shrink furcation, 2.9 mm leg on simplex connector end
 - 1TR = ROC Drop Toneable Cable
 - 1R2 = ROC Toneable Cable, heat-shrink furcation, 2.0 mm leg on simplex connector end
 - 1R3 = ROC Toneable Cable, heat-shrink furcation, 2.9 mm leg on simplex connector end
 - PFR = ROC Dielectric Cable, heat-shrink furcation, 2.0 mm leg on simplex connector end with pulling grip
 - PTR = ROC Toneable Cable, heat-shrink furcation, 2.0 mm leg on simplex connector end with pulling grip

- 4** Select cable assembly length (three-digit length) for lengths under 999 ft.
- Lengths:**
Minimum: 2 m/6 ft
- Meter lengths:**
2, 3, 5 then 5 m increments up to 600 m
- Foot lengths:**
6, 10, then 10 or 25 ft increments up to 2000 ft
- Note: Contact Customer Care for extended length offerings.*

- 5** Select cable assembly unit of length.
- F = Feet
 - M = Meters

- 6** Defines packaging.
- P = Individual packaging for all lengths. Shipping reel supplied with lengths > 350 ft



Table A: Alpha Codes for lengths ≥ 1000 ft

A00 = 1000
B00 = 1100
C00 = 1200
D00 = 1300
E00 = 1400
F00 = 1500
G00 = 1600
H00 = 1700
J00 = 1800
K00 = 1900
L00 = 2000

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Part Number Example

Part Number	Product Description	Units per Delivery	
434301EB4FR200F-P	OptiTap® FastAccess® Technology ROC™ Drop Assembly, 1 F, OptiTap to OptiTap, individual pack, dielectric, Single-mode (OS2), 200 ft	1/1	
434301EB1TR350F-P	OptiTap® 1 F, OptiTap to OptiTap, Toneable, Gel-Free Cable Assembly, Single-mode (OS2), 350 ft	1/1	

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