

OptiFit® Drop Cable Assembly

An Evolant® Advantage Solutions Product

Description

As an industry leader in optical connectivity products, Corning Cable Systems designs and manufactures the OptiFit® Drop Cable Assembly with factory-terminated, environmentally-sealed and hardened connectors to reduce the cost and the time of drop cable deployment in optical access networks. The OptiFit Drop Cable Assembly is specifically designed to significantly reduce required drop cable installation time for subscriber connection, therefore reducing the total installed cost of connectorization. It also provides superior durability and reliability in the drop segment of the network.

Features / Benefits

- Unique design reduces the total installed cost of drop cable deployment
 - Single-fiber, single-mode SC APC or SC UPC drop cable assemblies
 - Available with one or both ends connectorized
 - Cable available in SST-Drop™ (dielectric or toneable)
 - Cable design for aerial, direct-buried or duct installation
 - Standard lengths available in 15 ft increments from 90 to 180 ft and in 50 ft increments above 200 ft
 - Environmentally-sealed connector housing permits rapid connection to external flush-mounted bulkhead adapters on terminals or closures (terminal or closure entry is not required for drop cable installation).
- Robust design keeps connector intact during installation
 - Can be pulled through 1.25-in conduit
 - Integral pulling eye/connector cap designed for 100 lbf maximum pulling tension
- Fully standards-compliant product ensures the highest network reliability and durability
 - Drop cable fully compliant with Telcordia GR-20 requirements
 - Connectors designed and third-party tested to Telcordia GR-3120
- RDUP (formerly RUS) listed



OptiFit Drop Cable Assembly (single-fiber) | Photo CCA190

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Product Specifications

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Specifications

Connector

Typical Insertion Loss	0.15 dB
Typical Reflectance	-65 dB

Cable Assembly Specifications

Performance Parameter	Performance
Telcordia GR-3120	Comply
Axial pull, plug to cable, through the dust cap	100 lb in axial pull with the load applied to the dust cap
Side load, 90 degrees, any axis, mechanical performance	25 lb
Side load, 90 degrees, any axis, optical performance	Less than 0.3 dB at 1550 nm delta at 20 lb
Side load, 90 degrees, any axis, seal performance	Leak-free at 10 ft waterhead, 5 lb side load, 1 hour
Axial pull, plug to adapter coupling strength	50 lb
Cold mate/demate	-40°C mechanical testing

Note: Cable span distances are subject to customer environmental loading and sag specifications.

Ordering Information

0 1 E B **- P**
1 **2** **3** **4** **5** **6**

1 Select End One connector.

- 00 = No connector
- 43 = OptiFit Cable Assembly with SC APC connector
- 41 = OptiFit Cable Assembly with SC UPC connector

2 Select End Two connector.

- 43 = OptiFit Cable Assembly with SC APC connector
- 41 = OptiFit Cable Assembly with SC UPC connector

3 Select cable type.

- 4FD = Dielectric flat drop
- 1TD = Toneable flat drop

4 Select cable assembly length (three digit length) for lengths under 999 ft. Use 15 ft increments from 15-180 ft and 50 ft increments from 200 - 999 ft

Note: Contact Customer Service for lengths greater than 999 ft.

5 Select cable assembly unit of length.

- F = Feet
- M = Meters

6 Defines packaging.

- P = Individual packaging for all lengths and shipping reels available. Shipping reel available on lengths > 300 ft.

Part Number Example	Description
434301EB4FD200F-P	OptiFit® to OptiFit Cable Assembly, 200 ft, dielectric flat drop, (coil packaging)
434301EB1TD300F-P	OptiFit to OptiFit Cable Assembly, 300 ft, toneable flat drop, e/w reel packaging

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