

OptiTap® FastAccess® Technology ROC™ Drop Assembly, 1 F, OptiTap to stub end

Dielectric, Single-mode (OS2), 500 ft



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

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

Specifications

| General Specifications | |
|------------------------|------------------------------|
| Application | Aerial, Direct Buried, Duct |
| Cable Type | ROC™ dielectric drop, 900 μm |
| Fiber Category | Single-mode (OS2) |
| Product Type | Drop Assemblies |
| Termination | One end |
| Packaging | Bulk Packaging |

| Temperature Range | |
|-------------------|------------------------------------|
| Operation | -40 °C to 70 °C (-40 °F to 158 °F) |

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| 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 | 2.49 kg (5.5 lb) |
| Cable Length | 152 m (500 ft) |

| Design - Connector A | |
|----------------------|--------------|
| Connector Type | No connector |

| Design - Connector B | |
|----------------------|---------------------------|
| Connector Type | SC APC OptiTap® Connector |

| Optical Specifications - Connector B | |
|--------------------------------------|-----------|
| Insertion Loss, Typical | ≤ 0.15 dB |
| Reflectance, Typical | -65 dB |

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

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) Lower attenuation and bandwidth options available.

2) Performance single-mode fibers available on request.

3) Contact a Corning Customer Care Representative for additional information.



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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 | 004301EB4FR500F |
| Product Description | OptiTap® FastAccess® Technology ROC™ Drop Assembly, 1 F, OptiTap to stub end, bulk pack, dielectric, Single-mode (OS2), 500 ft |
| EAN Code | 4056418601847 |

Shipping Information

| | |
|----------------------------------|--|
| Units per Delivery | 10/1 |
| Packaging Dimensions (L x H x W) | 508 mm x 508 mm x 533 mm (20 in x 20 in x 21 in) |
| Packaging Method | Reel |



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

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