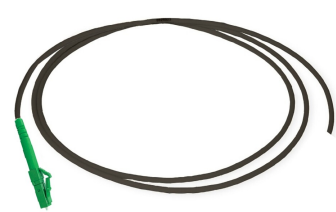


# FID-LG-150M-01A-XX



Fiber Optic Indoor/outdoor 3 mm Drop Cable Stub Assembly, LC/APC, 150 M

## Product Classification

|                       |   |
|-----------------------|---|
| Regional Availability | EMEA  |
| Product Type          | Fiber drop cable assembly   |
| Product Series        | FID   |
| Ordering Note         | For custom cable assembly lengths, please contact your local CommScope representative |

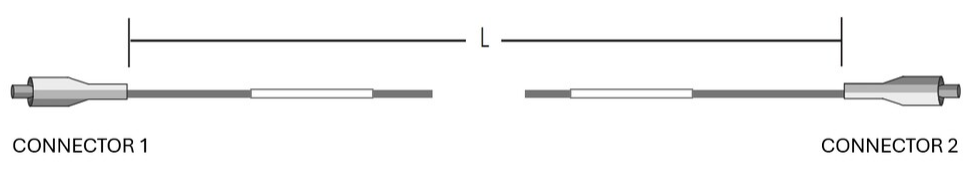
## General Specifications

|                                |                    |
|--------------------------------|--------------------|
| Cable Type                     | Stapleable - Round |
| Connector A, quantity          | 1                  |
| Color, boot A                  | Green              |
| Color, connector A             | Green              |
| Interface, Connector A         | SC/APC             |
| Interface Feature, connector A | Male               |
| Interface, Connector B         | Unterminated       |
| Jacket Color                   | Black              |
| Total Fibers, quantity         | 1                  |

## Dimensions

|                       |                    |
|-----------------------|--------------------|
| Cable Assembly Length | 150 m   492.126 ft |
| Cable Outer Diameter  | 3.0 mm (0.12 in)   |

## Dimension Drawing



# FID-LG-150M-01A-XX

## Ordering Tree



## Representative Image



## Material Specifications

**Jacket Material** Low Smoke Zero Halogen (LSZH)

## Mechanical Specifications

**Minimum Bend Radius, loaded** 50 mm | 1.969 in

**Minimum Bend Radius, unloaded** 30 mm | 1.181 in

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|                                   |                        |
|-----------------------------------|------------------------|
| Tensile Load, long term, maximum  | 30 N   6.744 lbf       |
| Tensile Load, short term, maximum | 100 N   22.481 lbf     |
| Cable Crush Resistance, maximum   | 10 N/mm   57.101 lb/in |

## Optical Specifications

|                                      |                      |
|--------------------------------------|----------------------|
| Fiber Mode                           | Singlemode           |
| Fiber Type                           | G.657.A2, TeraSPEED® |
| Insertion Loss, maximum, connector A | 0.25 dB              |
| Return Loss, minimum, connector A    | 60 dB                |

## Environmental Specifications

|  |                                      |
|--|--------------------------------------|
| Installation temperature                     | -20 °C to +60 °C (-4 °F to +140 °F)  |
| Operating Temperature                        | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature                          | -40 °C to +75 °C (-40 °F to +167 °F) |
| EN50575 CPR Cable EuroClass Fire Performance | Dca                                  |
| Environmental Space                          | Indoor/Outdoor                       |
| Jacket UV Resistance                         | UV stabilized                        |
| Qualification Standards                      | IEC 60794-1-2                        |

## Packaging and Weights

|                    |                    |
|--------------------|--------------------|
| Packaging quantity | 1                  |
| Weight, net        | 1.42 kg   3.131 lb |

## Regulatory Compliance/Certifications

| Agency     | Classification  |
|------------|---|
| CHINA-ROHS | Below maximum concentration value   |
| REACH-SVHC | Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant   |
| UK-ROHS    | Compliant   |



## Included Products

|   |   |   |
|---|---|---|
| 810010113/DB<br>C-001-DN-8G1-M01BK/30D/D- | – | Indoor/Outdoor Fiber Optic Drop cable, 1 Fiber G657 A2 0.9mm tight buffer. Breaking load Max 2000N. Suitable for installation under overhead power lines ≤11kV, vertical clearance ≥1.8m. |
|---|---|---|

# FID-LG-150M-01A-XX

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UK00

# 810010113/DB | C-001-DN-8G1-M01BK/30D/D-UK00



Indoor/Outdoor Fiber Optic Drop cable, 1 Fiber G657 A2 0.9mm tight buffer. Breaking load Max 2000N. Suitable for installation under overhead power lines  $\leq 11\text{kV}$ , vertical clearance  $\geq 1.8\text{m}$ .

Fire retardant Outside plant LSZH jacket grade, suitable for drop / aerial installations of up to 68 m. Can be routed indoor.

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   North America |
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber indoor/outdoor cable                          |

## General Specifications

|                                     |  |
|-------------------------------------|--|
| <b>Cable Type</b>                   | Drop   Tight buffer  |
| <b>Construction Type</b>            | All Dielectric   Non-armored   |
| <b>Subunit Type</b>                 | Gel-free   |
| <b>Jacket Color</b>                 | Black  |
| <b>Jacket Marking</b>               | Meters   |
| <b>Jacket Marking Method</b>        | Inkjet   |
| <b>Jacket Marking Text</b>          | COMMScope GB OPTICAL CABLE 810010113/DB 1x G657A2 SM LSZH [DOM] [SERIAL NUMBER] [METER MARK] |
| <b>Subunit, quantity</b>            | 1  |
| <b>Fibers per Subunit, quantity</b> | 1  |
| <b>Total Fiber Count</b>            | 1  |

## Dimensions

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 0.9 mm   0.035 in |
| <b>Diameter Over Jacket</b>         | 3 mm   0.118 in   |

## Representative Image



Material Specifications

Jacket Material

Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded

30 mm | 1.181 in

Tensile Load, long term, maximum

300 N | 67.443 lbf

Tensile Load, short term, maximum

620 N | 139.382 lbf

Compression

20 N/mm | 114.203 lb/in

Compression Test Method

IEC 60794-1 E3

Impact

2 N-m | 17.701 in lb

Impact Test Method

IEC 60794-1 E4

Strain

See long and short term tensile loads

Strain Test Method

IEC 60794-1 E1

Twist

10 cycles

Twist Test Method

IEC 60794-1 E7

Optical Specifications

Fiber Type

G.657.A2, TeraSPEED®

## Environmental Specifications

|  |   |
|--|---|
| Installation temperature                     | -10 °C to +60 °C (+14 °F to +140 °F)      |
| Operating Temperature                        | -30 °C to +65 °C (-22 °F to +149 °F)      |
| Storage Temperature                          | -30 °C to +60 °C (-22 °F to +140 °F)      |
| Cable Qualification Standards                | IEC 60794-1-2                             |
| EN50575 CPR Cable EuroClass Fire Performance | Dca                                       |
| EN50575 CPR Cable EuroClass Smoke Rating     | s1a                                       |
| EN50575 CPR Cable EuroClass Droplets Rating  | d0  |
| EN50575 CPR Cable EuroClass Acidity Rating   | a1  |
| Environmental Space                          | Aerial   Drop   Ducted   Indoor/Outdoor   |
| Flame Test Listing                           | EN 50399                                  |
| Flame Test Method                            | IEC 60332-1-2   IEC 60754-2   IEC 61034-2 |
| Jacket UV Resistance                         | UV stabilized                             |
| Water Penetration                            | 24 h                                      |
| Water Penetration Test Method                | IEC 60794-1 F5                            |

## Environmental Test Specifications

|                               |                                      |
|-------------------------------|--------------------------------------|
| Temperature Cycle             | -30 °C to +60 °C (-22 °F to +140 °F) |
| Temperature Cycle Test Method | IEC 60794-1-22 F1                    |

## Packaging and Weights

|              |                          |
|--------------|--------------------------|
| Cable weight | 8.7 kg/km   5.846 lb/kft |
|--------------|--------------------------|

## Regulatory Compliance/Certifications

| Agency     | Classification  |
|------------|---|
| CHINA-ROHS | Below maximum concentration value   |
| REACH-SVHC | Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant   |
| UK-ROHS    | Compliant   |



## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable