Fiber Optic Cable, Drop, Outdoor Arid Core Gel-Filled Tubes, Dielectric

- Fiber drop cables are typically used between the fiber terminal and the building or home and available for various indoor or outdoor applications
- Fiber drop cables are engineered to withstand the most demanding environmental conditions, including sun, heat, cold, moisture and heavy RF interference
- Superior mechanical and optical performance with unmatched stability and quality

Product Classification

Regional Availability
- Asia
- Australia/New Zealand
- EMEA
- Latin America
- North America

Portfolio
- CommScope®

Product Type
- Fiber drop cable

Product Series
- O-DN

General Specifications

Cable Type
- Central loose tube

Construction Type
- Non-armored

Jacket Color
- Black

Ordering Tree
Material Specifications

Jacket Material

PE

Mechanical Specifications

Compression Test Method

FOTP-41 | IEC 60794-1 E3

Flex Test Method

FOTP-104 | IEC 60794-1 E6

Impact Test Method

FOTP-25 | IEC 60794-1 E4

Strain

See long and short term tensile loads

Strain Test Method

FOTP-33 | IEC 60794-1 E1

Twist Test Method

FOTP-85 | IEC 60794-1 E7
Environmental Specifications

Installation temperature  
-30 °C to +70 °C (-22 °F to +158 °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)

Cable Qualification Standards  
ANSI/ICEA S-110-717

Environmental Space  
Aerial, lashed | Buried

Jacket UV Resistance  
UV stabilized

Water Penetration  
24 h

Water Penetration Test Method  
FOTP-82 | IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze  
-2 °C | 28.4 °F

Cable Freeze Test Method  
FOTP-98 | IEC 60794-1 F15

Drip  
70 °C | 158 °F

Drip Test Method  
FOTP-81 | IEC 60794-1 E14

Heat Age  
-40 °C to +85 °C (-40 °F to +185 °F)

Heat Age Test Method  
IEC 60794-1 F9

Low High Bend  
-30 °C to +60 °C (-22 °F to +140 °F)

Low High Bend Test Method  
FOTP-37 | IEC 60794-1 E11

Temperature Cycle  
-40 °C to +70 °C (-40 °F to +158 °F)

Temperature Cycle Test Method  
FOTP-3 | IEC 60794-1 F1

* Footnotes

Operating Temperature  Specification applicable to non-terminated bulk fiber cable