O-DF

Base Product



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

- 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-DF

General Specifications

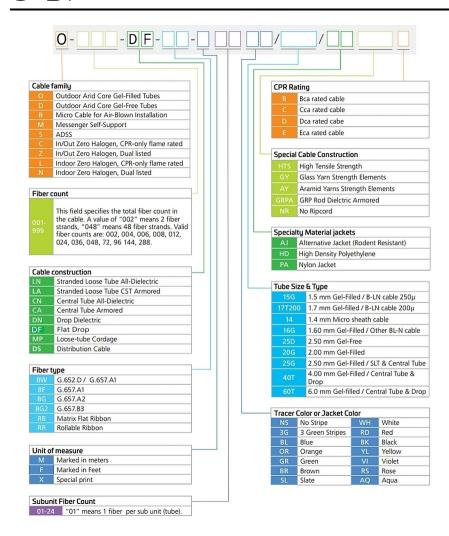
Cable TypeCentral loose tube

Construction Type Non-armored

Jacket Color Black

Ordering Tree

O-DF



Mechanical Specifications

Impact Test Method

Strain Test Method

Compression Test Method FOTP-41 | IEC 60794-1 E3

Flex Test Method FOTP-104 | IEC 60794-1 E6

Strain See long and short term tensile loads

y

Twist 10 cycles

Twist Test Method FOTP-85 | IEC 60794-1 E7

Environmental Specifications

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

COMMSCOPE®

FOTP-25 | IEC 60794-1 E4

FOTP-33 | IEC 60794-1 E1

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Operating Temperature $-40 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to $+158 \,^{\circ}\text{F}$)

Storage Temperature $-40 \,^{\circ}\text{C}$ to $+75 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to $+167 \,^{\circ}\text{F}$)

Cable Qualification Standards ANSI/ICEA S-110-717

Environmental Space Aerial, self-support | Buried

Jacket UV Resistance UV stabilized

Water Penetration 24 h

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

Environmental Test Specifications

Cable Freeze $-2 \, ^{\circ}\text{C} \, \mid \, 28.4 \, ^{\circ}\text{F}$

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 $-40 \,^{\circ}\text{C}$ to $+85 \,^{\circ}\text{C}$ ($-40 \,^{\circ}\text{F}$ to $+185 \,^{\circ}\text{F}$)

Heat Age Test Method IEC 60794-1 F9

Low High Bend $-30 \,^{\circ}\text{C}$ to $+60 \,^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to $+140 \,^{\circ}\text{F}$)

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

Temperature Cycle $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

