

TeraSPEED® Indoor/Outdoor Gel-filled loose tube, Low Smoke Zero Halogen Single Jacket All-Dielectric Arid-Core Drop Cable, Dca flame rating

Product Classification

Regional Availability	EMEA
Portfolio	CommScope®
Product Type	Fiber drop cable
Product Series	C-DN

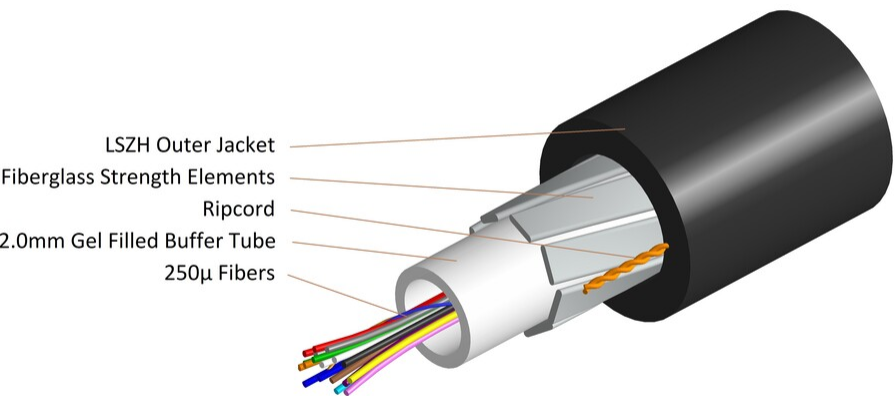
General Specifications

Cable Type	Central loose tube Drop
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Subunit, quantity	1
Fibers per Subunit, quantity	12
Total Fiber Count	12

Dimensions

Buffer Tube/Subunit Diameter	2 mm 0.079 in
Diameter Over Jacket	6.1 mm 0.24 in

Representative Image



Material Specifications

Jacket Material

Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded	91 mm 3.583 in
Minimum Bend Radius, unloaded	61 mm 2.402 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1334 N 299.895 lbf
Compression	10 N/mm 57.101 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	35 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	2.21 N-m 19.56 in lb
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	10 cycles
Twist Test Method	FOTP-85 IEC 60794-1 E7
Vertical Rise, maximum	927 m 3,041.339 ft

760241109 | C-012-DN-8W-M12BK

Optical Specifications

Fiber Type

G.652.D and G.657.A1, TeraSPEED® | OS2 | OS2

Environmental Specifications

Installation temperature

-20 °C to +60 °C (-4 °F to +140 °F)

Operating Temperature

-20 °C to +70 °C (-4 °F to +158 °F)

Storage Temperature

-40 °C to +75 °C (-40 °F to +167 °F)

Cable Qualification Standards

ANSI/ICEA S-110-717 | EN 187105 | Telcordia GR-409

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, lashed | Buried | Low Smoke Zero Halogen (LSZH)

Flame Test Listing

IEC 60332-1-2

Flame Test Method

EN 50399 | IEC 60754-2 | IEC 61034-2

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 Test Method

IEC 60794-1 F9

Low High Bend

-20 °C to +60 °C (-4 °F to +140 °F)

Low High Bend Test Method

FOTP-37 | IEC 60794-1 E11

Temperature Cycle

-20 °C to +70 °C (-4 °F to +158 °F)

Temperature Cycle Test Method

FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight

44 kg/km | 29.567 lb/kft

Included Products

CS-8W-250-EMEA – LightScope® ZWP Singlemode Fiber
8W-250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable