

Fiber OSP cable, LightScope® ZWP Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core™ Construction Cable, 36 fiber, Singlemode G.652.D, Gel-filled, Meters jacket marking, Black jacket color

#### **Product Classification**

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America

 Portfolio
 CommScope®

 Product Type
 Fiber OSP cable

**Product Series** B-LN

General Specifications

Cable Type Stranded loose tube

Construction TypeNon-armoredSubunit TypeGel-filled

Filler, quantity 2

Jacket ColorBlackJacket MarkingMetersJacket Marking MethodLaser

Jacket Marking Text COMMSCOPE OPTICAL CABLE G657A1 SM 36F (SERIAL NUMBER) [MM

/YYYY] [M]

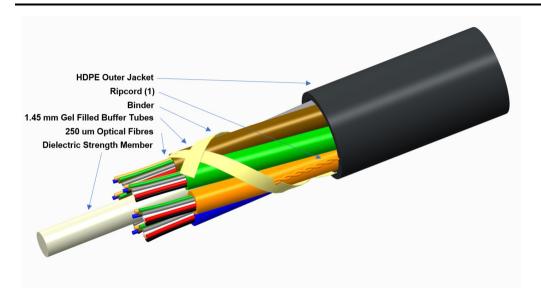
Subunit, quantity 3
Fibers per Subunit, quantity 12
Total Fiber Count 36

**Dimensions** 

Buffer Tube/Subunit Diameter1.45 mm0.057 inDiameter Over Jacket5.1 mm0.201 in

### Representative Image





#### Material Specifications

Jacket Material High density polyethylene (HDPE)

#### Mechanical Specifications

Minimum Bend Radius, loaded77 mm3.031 inMinimum Bend Radius, unloaded51 mm2.008 inTensile Load, long term, maximum97 N21.806 lbf

Tensile Load, short term, maximum 324 N | 72.838 lbf

Compression 10 N/mm | 57.101 lb/in

Compression Test Method IEC 60794-1-21 E3

Flex 25 cycles

Flex Test Method IEC 60794-1 E6

 Impact
 0.3 N-m | 2.655 in lb

 Impact Test Method
 IEC 60794-1-21 E4

**Strain** See long and short term tensile loads

Strain Test Method IEC 60794-1-21 E1

Twist 10 cycles

Twist Test Method IEC 60794-1-21 E7

**Vertical Rise, maximum** 492 m | 1,614.173 ft

Optical Specifications

COMMSCOPE®

**Fiber Type** G.652.D | G.652.D

#### **Environmental Specifications**

Installation temperature-30 °C to +70 °C (-22 °F to +158 °F)Operating Temperature-30 °C to +70 °C (-22 °F to +158 °F)Storage Temperature-30 °C to +75 °C (-22 °F to +167 °F)

Cable Qualification StandardsIEC 60794-5-10Environmental SpaceAir-blown, microduct

Jacket UV Resistance UV stabilized

Water Penetration 24 h

Water Penetration Test Method IEC 60794-1 F4

#### **Environmental Test Specifications**

 Cable Freeze
 -2 °C | 28.4 °F

 Cable Freeze Test Method
 IEC 60794-1 F15

 Drip
 70 °C | 158 °F

**Drip Test Method** IEC 60794-1-21 E14

Heat Age -30 °C to +85 °C (-22 °F to +185 °F)

Heat Age Test Method IEC 60794-1-22 F9

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

Low High Bend Test Method IEC 60794-1-21 E11

**Temperature Cycle**  $-30 \,^{\circ}\text{C to} + 70 \,^{\circ}\text{C} \left(-22 \,^{\circ}\text{F to} + 158 \,^{\circ}\text{F}\right)$ 

**Temperature Cycle Test Method** IEC 60794-1-22 F1

Packaging and Weights

**Cable weight** 22 kg/km | 14.783 lb/kft

#### Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Below maximum concentration value

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant





#### Included Products

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

#### \* Footnotes

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

