

Fiber OSP cable, A2 Dual-sheathed HDPE Drop, LSZH Subunit, Loose buffer, Singlemode, G.657.A2, 2 fiber (Red, Blue), Gel-free, Meters jacket marking, Black jacket color 500M Reel

## Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America
Portfolio	CommScope®
Product Type	Fiber drop cable
Product Series	D-DD

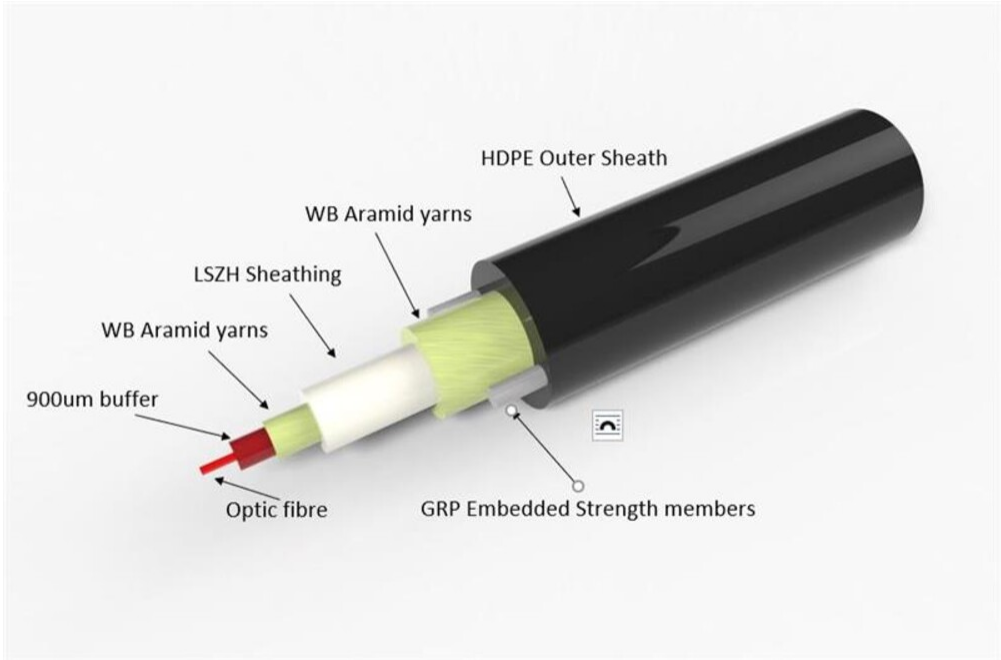
## General Specifications

Cable Type	Outdoor drop with indoor subunit
Construction Type	Non-armored
Subunit Type	Gel-free
Inner Jacket Color	White
Jacket Color	Black
Jacket Marking	Meters
Subunit, quantity	1
Fibers per Subunit, quantity	2
Total Fiber Count	2

## Dimensions

Cable Length	500 m   1,640.42 ft
Buffer Tube/Subunit Diameter	2 mm   0.079 in
Diameter Over Jacket	5 mm   0.197 in

## Representative Image



Material Specifications

Jacket Material	High density polyethylene (HDPE)
Inner 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
Tensile Load, long term, maximum	800 N   179.847 lbf
Tensile Load, short term, maximum	1500 N   337.214 lbf
Compression	25 N/mm   142.754 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	35 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	7 N-m   61.955 in lb
Impact Test Method	FOTP-25   IEC 60794-1 E4
Strain Test Method	FOTP-33   IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85   IEC 60794-1 E7

Optical Specifications

Fiber Type

G.657.A2 | G.657.A2, TeraSPEED®

Environmental Specifications

Installation temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	IEC 60794-1-2   Telcordia GR-20
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   Drop   Façade   Underground (duct)
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
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

Packaging and Weights

Cable weight

23.5 kg/km | 15.791 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value

REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



Included Products

CS-8G-MP	–	Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)
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\* Footnotes

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