

Fiber Drop Cable, Duct and Aerial, FTTH, 4 fibers, Singlemode, G.657.A1, Gel-filled, Feet jacket marking, Black jacket, dual sheathed with indoor element (Dca class for subunit only)

Product Classification

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

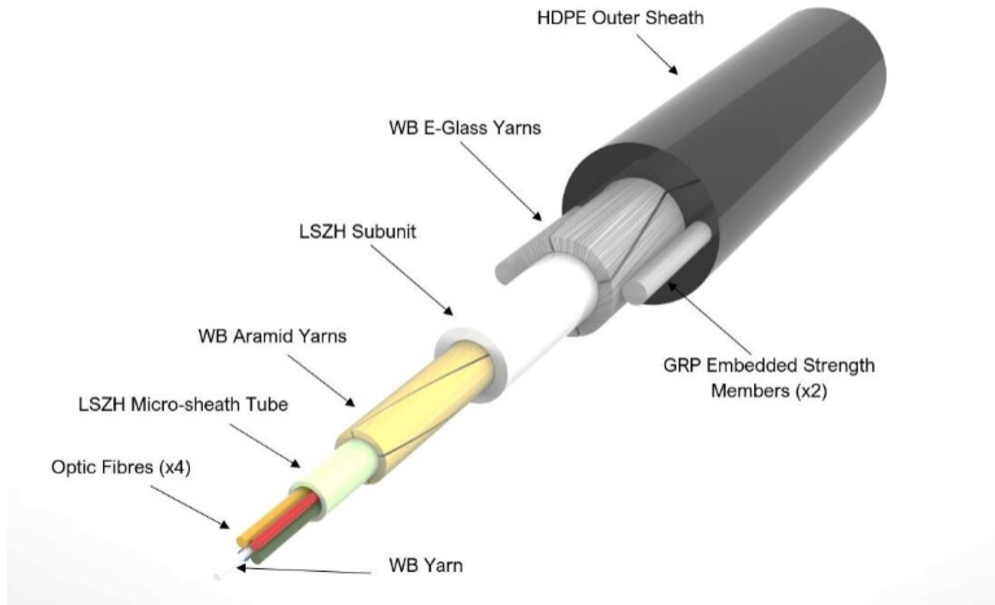
General Specifications

Cable Type	Central loose tube Drop Tight buffer
Construction Type	Breakout Non-armored
Subunit Type	Gel-free
Inner Jacket Color	White
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB F.O CABLE 810010000/DB 4X9/125 ITU-T G.657A1 HDPE SERIAL No METER MARK
Subunit, quantity	1
Fibers per Subunit, quantity	4
Total Fiber Count	4

Dimensions

Cable Length	2,000 m 6,561.68 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	400 N 89.924 lbf
Tensile Load, short term, maximum	880 N 197.832 lbf
Compression	300 N/mm 1,713.044 lb/in
Compression Test Method	IEC 60794-1 E3
Impact	7 N-m 61.955 in lb
Impact Test Method	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type G.657.A1

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
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	Outdoor
Jacket UV Resistance	UV stabilized
Water Penetration	168 h
Water Penetration Test Method	IEC 60794-1 F5

Environmental Test Specifications

Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1-22 F1

Packaging and Weights

Cable weight 23 kg/km | 15.455 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-LT – Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable