

Fiber drop cable, TeraSPEED® Self-Support Figure-8 Single Jacket Non-Armor Arid-Core, central loose tube, 6 fiber, Singlemode, G.652.D and G.657.A1, Gel-filled, Feet jacket marking, black jacket color

OBSOLETE

Product Classification

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

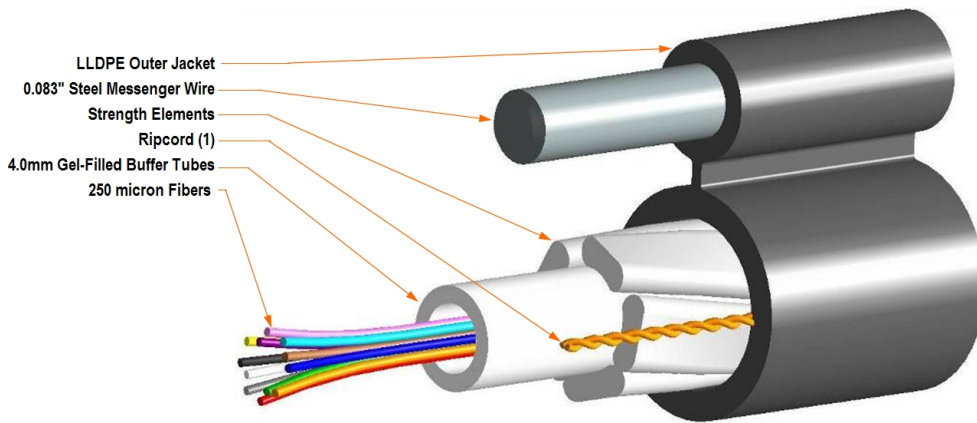
General Specifications

Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	1
Fibers per Subunit, quantity	6
Total Fiber Count	6

Dimensions

Height Over Jacket	11.5 mm 0.453 in
Buffer Tube/Subunit Diameter	4 mm 0.157 in
Diameter Over Jacket	6.8 mm 0.268 in
Diameter Over Messenger Jacket	3.4 mm 0.134 in

Representative Image



Material Specifications

Jacket Material PE

Mechanical Specifications

Minimum Bend Radius, loaded 10.2 cm | 4.016 in
Minimum Bend Radius, unloaded 6.8 cm | 2.677 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 591 m | 1,938.976 ft

Optical Specifications

Fiber Type G.652.D and G.657.A1 | G.652.D and G.657.A1

Environmental Specifications

Installation temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-40 °C to +70 °C (-40 °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-20
Environmental Space	Aerial, self-support
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	-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	69 kg/km 46.366 lb/kft
---------------------	--------------------------

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

DB-8W-LT	– LightScope ZWP® Singlemode Fiber
----------	------------------------------------

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable