



Indoor/Outdoor Low Smoke Zero Halogen, TeraSPEED® Tight Buffered Office Distribution Fiber Fiber Optic Cable, 2 fiber, Singlemode OS1a, black. Provides Rodent Resistance.

- designed to offer flexibility, strength and compact construction for internal and interbuilding use
- non-metallic construction reinforced by E-glass yarns, which provide rodent resistance and higher tensile strength
- oversheathed with a ULSZH jacket meeting IEC fire performance requirements

Product Classification

Regional Availability	Asia EMEA
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-DS

General Specifications

Cable Type	Tight buffer
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 760254799 2x9/125 OS2 ULSZH [BATCH NUMBER] [METRE MARK]
Strength Members	E-glass yarns
Fibers per Subunit, quantity	2
Total Fiber Count	2

Dimensions

Diameter Over Jacket	5.2 mm 0.205 in
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Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	130 mm 5.118 in
Minimum Bend Radius, unloaded	80 mm 3.15 in
Tensile Load, short term, maximum	1000 N 224.809 lbf
Cable Crush Resistance, maximum	20 N/mm 114.203 lb/in

Optical Specifications

Fiber Type	OS2
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Optical Specifications, Wavelength Specific

Standards Compliance	IEC 60794-1 TIA-492CAAB (OS2)
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Environmental Specifications

Installation temperature	-5 °C to +50 °C (+23 °F to +122 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
EN50575 CPR Cable EuroClass Fire Performance	B2ca
EN50575 CPR Cable EuroClass Smoke Rating	s1a
EN50575 CPR Cable EuroClass Droplets Rating	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)

810010233/DB | C-002-DS-8W-MSUBK/GY/B

Packaging and Weights

Cable weight

32 kg/km | 21.503 lb/kft

Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable