

Indoor/Outdoor Low Smoke Zero Halogen, TeraSPEED® Tight Buffered Office Distribution Fiber Fiber Optic Cable, 12 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 |

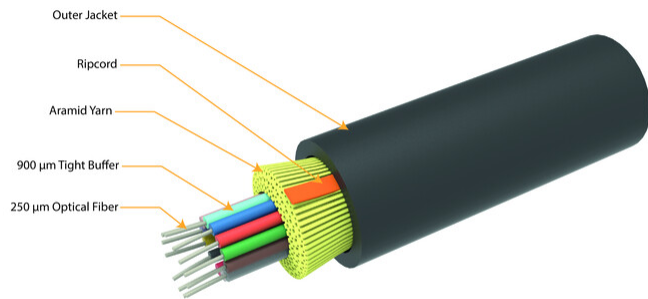
General Specifications

| | |
|-------------------------------------|---|
| Cable Type | Tight buffer |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB OPTICAL CABLE 760254801 12 X 9/125 OS2 ULSZH (BATCH NUMBER) (METRE MARK) |
| Strength Members | E-glass yarns |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 12 |

Dimensions

| | |
|-----------------------------|-----------------|
| Diameter Over Jacket | 8 mm 0.315 in |
|-----------------------------|-----------------|

Representative Image



Mechanical Specifications

| | |
|--|-------------------------|
| Minimum Bend Radius, loaded | 200 mm 7.874 in |
| Minimum Bend Radius, unloaded | 120 mm 4.724 in |
| Tensile Load, short term, maximum | 1500 N 337.214 lbf |
| Cable Crush Resistance, maximum | 20 N/mm 114.203 lb/in |

Optical Specifications

| | |
|-------------------|-----|
| Fiber Type | OS2 |
|-------------------|-----|

Optical Specifications, Wavelength Specific

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

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 | Cca |
| EN50575 CPR Cable EuroClass Smoke Rating | s2 |
| EN50575 CPR Cable EuroClass Droplets Rating | d1 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Low Smoke Zero Halogen (LSZH) |

810010235/DB | C-012-DS-8W-MSUBK/GY/C

Packaging and Weights

Cable weight

69 kg/km | 46.366 lb/kft

Included Products

CS-8W-TB – TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable