

760004267 | N-012-DS-8W-FSUYL

TeraSPEED® Low Smoke Zero Halogen Riser Distribution Cable, 12 fiber single-unit

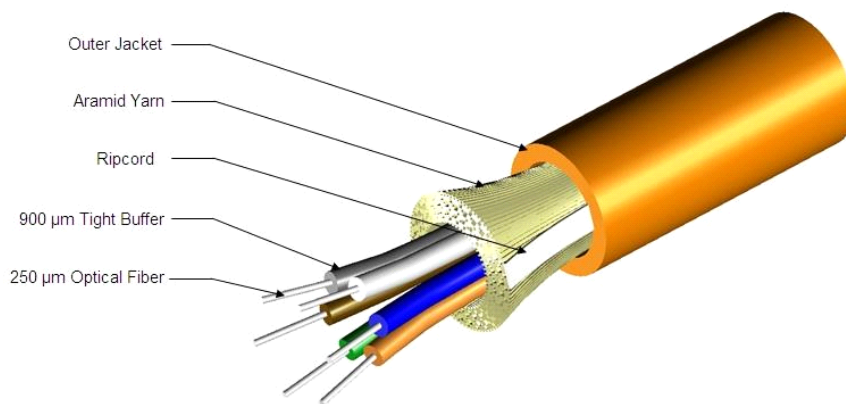
Product Classification

Portfolio	CommScope®
Brand	TeraSPEED®
Product Type	Fiber indoor cable
Regional Availability	Asia Australia/New Zealand EMEA Latin America North America

Standards And Qualifications

EN50575 CPR Cable EuroClass Dca | s1a | d1 | a2

Representative Image



General Specifications

Cable Type	Distribution
Construction Type	Non-armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Total Fiber Count	12
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Fiber Type, quantity	12
Jacket Color	Yellow

Dimensions

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Cable Weight 22.8 lb/kft | 34.0 kg/km
Diameter Over Jacket 6.07 mm | 0.24 in

Physical Specifications

Minimum Bend Radius, loaded 9.1 cm | 3.6 in
Minimum Bend Radius, unloaded 6.1 cm | 2.4 in
Tensile Load, long term, maximum 45 lbf | 200 N
Tensile Load, short term, maximum 150 lbf | 667 N
Vertical Rise, maximum 500.0 m | 1640.4 ft

Flame Test Specifications

Flame Test Listing NEC OFNR-LS (ETL) and c(ETL)
Flame Test Method IEC 60332-3 | IEC 60754-2 | IEC 61034-2 | IEEE 383 | UL 1666 | UL 1685

Environmental Specifications

Environmental Space Low Smoke Zero Halogen (LSZH) | Riser
Installation Temperature -10 °C to +60 °C (+14 °F to +140 °F)
Operating Temperature -20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F)

Mechanical Test Specifications

Compression 10 N/mm | 57 lb/in
Compression Test Method FOTP-41 | IEC 60794-1 E3
Flex 100 cycles
Flex Test Method FOTP-104 | IEC 60794-1 E6
Impact 4.34 ft lb | 5.88 N-m
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

Environmental Test Specifications

Heat Age -20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method IEC 60794-1 F9
Low High Bend -10 °C to +60 °C (+14 °F to +140 °F)
Low High Bend Test Method FOTP-37 | IEC 60794-1 E11
Temperature Cycle -20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

Qualification Specifications

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

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Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available



Included Products

CS-8W-TB (Product Component—not orderable) — TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable