

760154799 | Z-048-LN-8W-F12BK/25D

TeraSPEED® Indoor/Outdoor, Single Jacket All-Dielectric, Low Smoke Zero Halogen (LSZH), Gel-Free, Stranded Loose Tube Cable

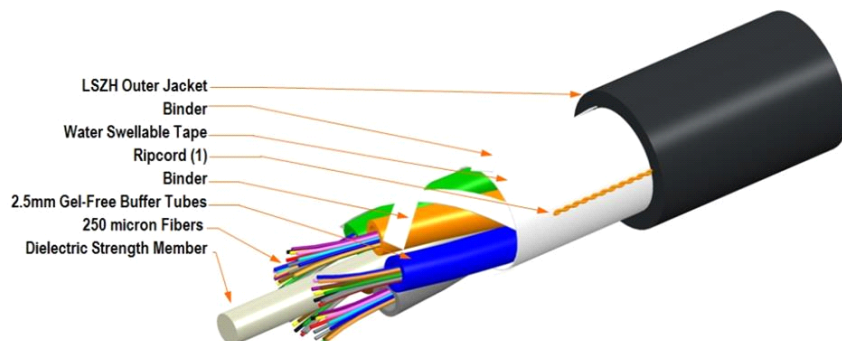
Product Classification

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

Standards And Qualifications

EN50575 CPR Cable EuroClass	Eca
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Representative Image



General Specifications

Construction Type	Non-armored
Cable Type	Stranded loose tube
Fiber Short Description	Z-060-LN-XY-F12BK/25D
Subunit Type	Gel-free

Construction Materials

Total Fiber Count	48
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1 OS2)
Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1 OS2)
Fiber Type, quantity	48
Fibers per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	2.50 mm 0.10 in
Cable Weight	125.0 kg/km 84.0 lb/kft
Diameter Over Jacket	11.70 mm 0.46 in
Filler, quantity	1
Subunit, quantity	4

Physical Specifications

Minimum Bend Radius, loaded	17.5 cm 6.9 in
Minimum Bend Radius, unloaded	11.7 cm 4.6 in
Tensile Load, long term, maximum	180 lbf 800 N
Tensile Load, short term, maximum	2700 N 607 lbf
Vertical Rise, maximum	654.0 m 2145.7 ft

Flame Test Specifications

Flame Test Listing	NEC OFN-LS (ETL) and c(ETL)
Flame Test Method	IEC 60332-3 IEC 60754-2 IEC 61034-2 IEEE 1202 IEEE 383 UL 1685

Environmental Specifications

Environmental Space	Aerial, lashed Buried Low Smoke Zero Halogen (LSZH)
Installation Temperature	-30 °C to +60 °C (-22 °F to +140 °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)

Mechanical Test Specifications

Compression	125 lb/in 22 N/mm
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	35 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	2.21 ft lb 3.00 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
Water Penetration	24 h
Water Penetration Test Method	FOTP-82 IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze	-2 °C 28 °F
Cable Freeze Test Method	FOTP-98 IEC 60794-1 F15
Drip	70 °C 158 °F

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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

Qualification Specifications

Cable Qualification Standards ANSI/ICEA S-104-696 | EN 187105 | Telcordia GR-20 | Telcordia GR-409

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-IOLT (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable