

TeraSPEED® Indoor/Outdoor Low Smoke Zero Halogen Riser Distribution Cable, interlocking aluminum armored with low smoke zero halogen riser jacket, 24 fiber single-unit

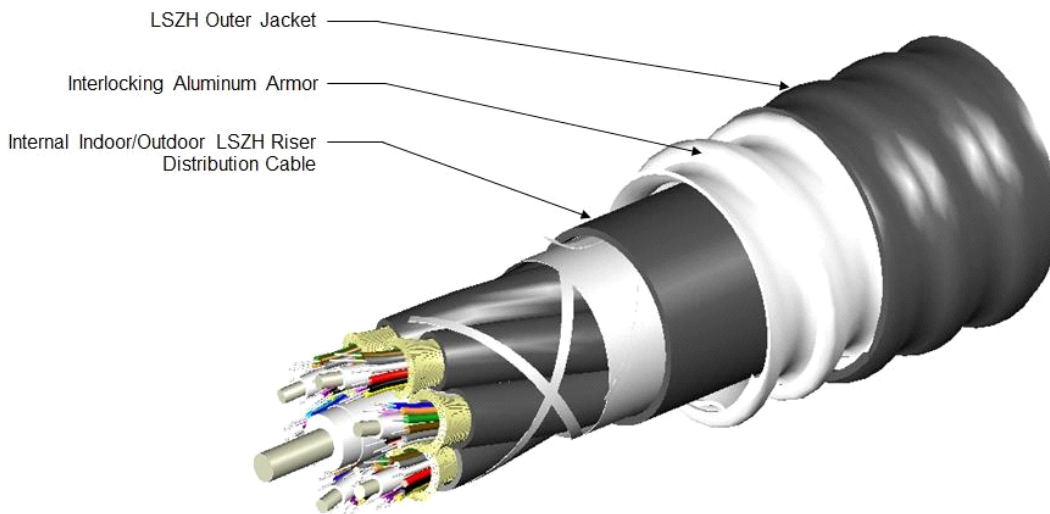
Product Classification

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

Standards And Qualifications

EN50575 CPR Cable EuroClass	B2ca s1a d0 a1
Cable Qualification Standards	ANSI/ICEA S-104-696 EN 187105 Telcordia GR-20 (water penetration for internal cable) Telcordia GR-409

Representative Image



General Specifications

Construction Type	Armored
Cable Type	Distribution

Construction Materials

Fiber Type Solution	G.652.D and G.657.A1 , TeraSPEED®
Total Fiber Count	24

Armor Type	Interlocking aluminum
Fiber Type	G.652.D and G.657.A1, TeraSPEED®
Fiber Type, quantity	24
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Cable Weight	142.0 lb/kft 212.0 kg/km
Diameter Over Armor	13.34 mm 0.53 in
Diameter Over Jacket	15.40 mm 0.61 in

Physical Specifications

Minimum Bend Radius, loaded	30.7 cm 12.1 in
Minimum Bend Radius, unloaded	21.5 cm 8.5 in
Tensile Load, long term, maximum	90 lbf 400 N
Tensile Load, short term, maximum	300 lbf 1335 N
Vertical Rise, maximum	193.0 m 633.2 ft

Flame Test Specifications

Flame Test Listing	NEC OFCR-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	-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	485 lb/in 85 N/mm
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	25.80 ft lb 35.00 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 Test Method	IEC 60794-1 F15
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-40 °C to +70 °C (-40 °F to +158 °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

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable