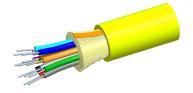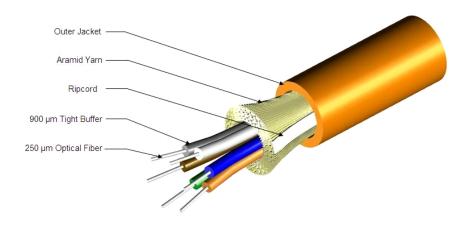# Product Specifications

COMMSCOPE®

760018515 | R-024-DS-8W-FSUYL
TeraSPEED® Riser Distribution Cable, 24 fiber single-unit

Representative Image

Outer Jacket
Aramid Yarn
Ripcord
900 µm Tight Buffer
250 µm Optical Fiber

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	24
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Fiber Type, quantity	24
Jacket Color	Yellow

Dimensions

Cable Weight	50.4 kg/m	33.9 lb/kft
Diameter Over Jacket	7.90 mm	0.31 in

Physical Specifications

Minimum Bend Radius, loaded	11.8 cm	4.6 in
Minimum Bend Radius, unloaded	7.9 cm	3.1 in
Tensile Load, long term, maximum	90 lbf	400 N
Tensile Load, short term, maximum	300 lbf	1335 N
Vertical Rise, maximum	500.0 m	1640.4 ft

Product Specifications

Flame Test Specifications

Flame Test Listing	NEC OFNR (ETL) and c(ETL)
Flame Test Method	UL 1666

Environmental Specifications

Environmental Space	Riser
Installation Temperature	-20 °C to +70 °C (-4 °F to +158 °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	-20 °C to +70 °C (-4 °F to +158 °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

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

RoHS COMPLIANT

Included Products

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

* **Footnotes**

Operating Temperature   Specification applicable to non-terminated bulk fiber cable