760135921 | R-012-CN-8W-F12BK

Fiber indoor/outdoor, TeraSPEED® Single Jacket Gel-Filled All-Dielectric Riser Rated Central Tube, 12 fibers, Singlemode G.652.D and G.657.A1, Feet jacket marking, black jacket color

Product Classification

Regional Availability	Asia	Australia/New Zealand	Latin America	Middle East /Africa	North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	R-CN

General Specifications

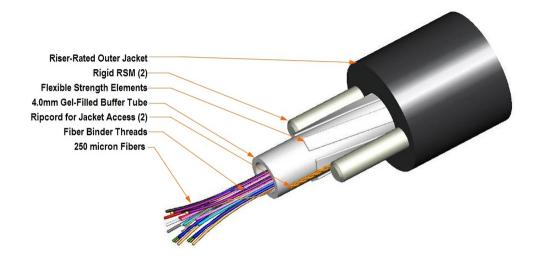|	
Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	1
Fibers per Subunit, quantity	12
Total Fiber Count	12

Dimensions

Buffer Tube/Subunit Diameter	4 mm	0.157 in
Diameter Over Jacket	10.28 mm	0.405 in

Representative Image

COMMSCOPE®

Labels on diagram:
- Riser-Rated Outer Jacket
- Rigid RSM (2)
- Flexible Strength Elements
- 4.0mm Gel-Filled Buffer Tube
- Ripcord for Jacket Access (2)
- Fiber Binder Threads
- 250 micron Fibers

Mechanical Specifications

Minimum Bend Radius, loaded	154 mm	6.063 in
Minimum Bend Radius, unloaded	103 mm	4.055 in
Tensile Load, long term, maximum	800 N	179.847 lbf
Tensile Load, short term, maximum	2700 N	606.984 lbf
Compression	22 N/mm	125.623 lb/in
Compression Test Method	FOTP-41	IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104	IEC 60794-1 E6
Impact	2.94 N-m	26.021 in lb
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
Vertical Rise, maximum	602 m	1,975.066 ft

Optical Specifications

Fiber Type	G.652.D and G.657.A1, TeraSPEED®	OS2	OS2

Environmental Specifications

Installation temperature	-10 °C to +60 °C (+14 °F to +140 °F)

COMMSCOPE®

760135921 | R-012-CN-8W-F12BK

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696	EN 187105	Telcordia GR-409
Environmental Space	Riser
Flame Test Listing	NEC OFNR (ETL) and c(ETL)
Flame Test Method	UL 1666
Jacket UV Resistance	UV stabilized
Water Penentration	24 h
Water Penentration Test Method	FOTP-82	IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze	-2 °C	28.4 °F
Cable Freeze Test Method	FOTP-98	IEC 60794-1 F15
Drip	70 °C	158 °F
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

Packaging and Weights

Cable weight	136 kg/km	91.388 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

COMMSCOPE®

Included Products

CS-8W-IOLT − TeraSPEED® OS2 Singlemode Fiber

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®