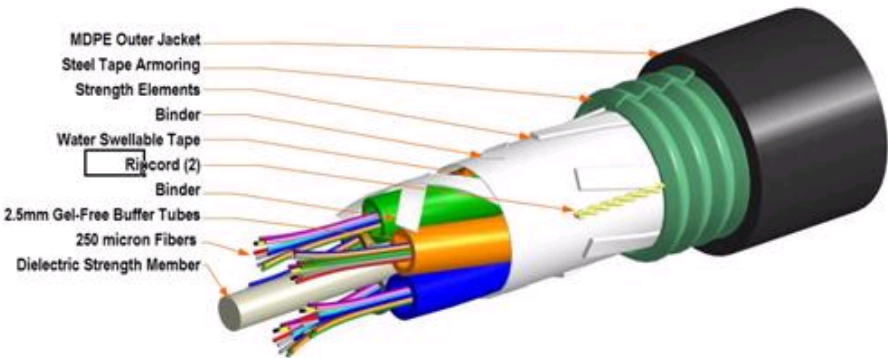


760154633 | D-048-LA-CM-
F12NS/8W024/5K024

Single Jacket Single Armor Outdoor Cable Arid-Core Construction Stranded Loose Tube

Representative Image



General Specifications

Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	Composite fiber LazrSPEED® 550, 50 µm multimode fiber TeraSPEED®, zero water peak singlemode fiber
Total Fiber Quantity	48
Armor Type	Corrugated steel
Fiber Type	TeraSPEED®, zero water peak singlemode fiber
Fiber Type, quantity	24
Fibers Per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized
Second Fiber Type	LazrSPEED® 550, 50 µm multimode fiber
Second Fiber Type, quantity	24

Dimensions

Buffer Tube/Subunit Diameter	2.50 mm 0.10 in
Cable Weight	116.0 kg/km 78.0 lb/kft
Diameter Over Jacket	11.50 mm 0.45 in
Filler, quantity	1
Subunit, quantity	4

Physical Specifications

Minimum Bend Radius, loaded	17.3 cm		6.8 in
Minimum Bend Radius, unloaded	11.5 cm		4.5 in
Tensile Load, long term, maximum	180 lbf		800 N
Tensile Load, short term, maximum	2700 N		607 lbf
Vertical Rise, maximum	705.0 m		2313.0 ft

Environmental Specifications

Environmental Space	Aerial, lashed		Buried
Installation Temperature	-30 °C to +70 °C (-22 °F to +158 °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	250 lb/in		44 N/mm
Compression Test Method	FOTP-41		IEC 60794-1-2, Section 7
Flex	35 cycles		
Flex Test Method	FOTP-24		IEC 60794-1-2, Section 10
Impact	2.17 ft lb		2.94 N-m
Impact Test Method	FOTP-25		IEC 60794-1-2, Section 8
Strain	See long and short term tensile loads		
Strain Test Method	FOTP-33		IEC 60794-1-2, Section 5
Twist	10 cycles		
Twist Test Method	FOTP-85		IEC 60794-1-2, Section 11
Water Penetration	24 h		
Water Penetration Test Method	FOTP-82		IEC 60794-1-2, Section 24

Environmental Test Specifications

Cable Freeze	-2 °C		28 °F
Cable Freeze Test Method	FOTP-98		
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)		
Heat Age Test Method	Not applicable		
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)		
Low High Bend Test Method	FOTP-28		IEC 60794-1-2, Section 28
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)		
Temperature Cycle Test Method	FOTP-3		IEC 60794-1-2, Section 22

Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-87-640-2006		EN 187105		Telcordia GR -20-CORE Issue 3
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Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



Included Products

CS-8W-LT (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber

CS-5K-LT (Product Component—not orderable) — LazrSPEED® 550 OM4 Multimode Fiber