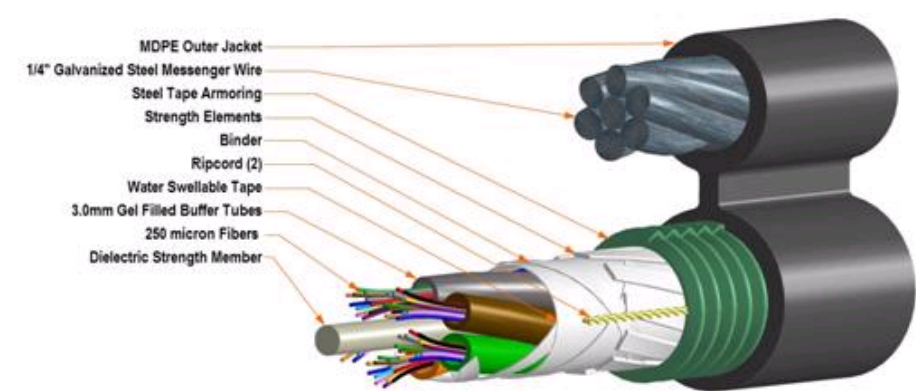




760083006 | M-288-LA-8W-F12NS

Self-Support Single Jacket Single Armor Figure-8 Outdoor Cable Arid-Core Construction
Stranded Loose Tube

Representative Image



General Specifications

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

Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber
Total Fiber Quantity	288
Armor Type	Corrugated steel
Fiber Type	TeraSPEED®, zero water peak singlemode fiber
Fiber Type, quantity	288
Fibers Per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	3.00 mm 0.12 in
Cable Weight	428.0 lb/kft 638.0 kg/km
Diameter Over Jacket	23.20 mm 0.91 in
Diameter Over Messenger Jacket	8.90 mm 0.35 in
Height Over Jacket	34.40 mm 1.35 in
Subunit, quantity	24

Physical Specifications

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Minimum Bend Radius, loaded	34.7 cm		13.7 in
Minimum Bend Radius, unloaded	23.2 cm		9.1 in
Tensile Load, long term, maximum	15000 N		3372 lbf
Tensile Load, short term, maximum	21000 N		4721 lbf
Vertical Rise, maximum	247.0 m		810.4 ft

Environmental Specifications

Environmental Space	Aerial, self-support
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	44 N/mm		250 lb/in
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	5.42 ft lb		7.35 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		
Drip	70 °C		158 °F
Drip Test Method	FOTP-81		IEC 60794-1-2, Section 17
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