

SST-Drop™ FREEDM® LSZH Riser Cable

12 F, Single-mode (OS2)

CORNING

Corning FREEDM® LSZH™ flat-drop riser cables are flame-retardant, indoor/outdoor cables suitable for installation in aerial, duct and riser applications. FREEDM LSZH flat-drop riser cables provide the simple installation of standard FREEDM cable in an easy-access single-tube design. The small, lightweight tray-rated cables have been tested to meet mechanical and environmental conditions exceeding the requirements for traditional telecom cables. The cable jacket consists of a flame-retardant, non-halogenated, limited-smoke material that provides UV and chemical resistance. The all-dielectric design eliminates any bonding and grounding requirements. Compatible with industry-standard hardware and available in preconnectorized AnyLAN™ assemblies, FREEDM LSZH flat-drop riser cables are the perfect solution for indoor/outdoor drop applications. A drop cable access tool is also available, making installations faster, safer and easier.

The product is available in convenient contractor-sized packaging for easy field deployment and features bend-insensitive single-mode fiber, which enables installers to route the subunit around tight corners down to 5 mm (0.2 in) radius inside the home.

Features and Benefits

Aerial self-supporting or direct buried

Design flexibility

All-dielectric design

Eliminates bonding and grounding

Works with industry-standard wedge clamps

Ease of use

UV-resistant, flame-retardant low-smoke/zero-halogen (LSZH) jacket

Rugged, durable and easy to strip

Tray-rated per UL 13; UL 444; UL 1277; UL 1666; CSA 22.2 No. 230 and No. 232

Tested to industrial ruggedness standards

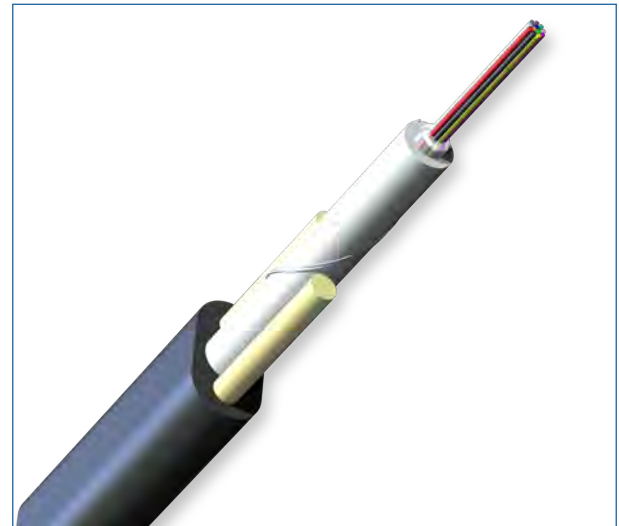
Available in preconnectorized assemblies

Cable option for AnyLAN™

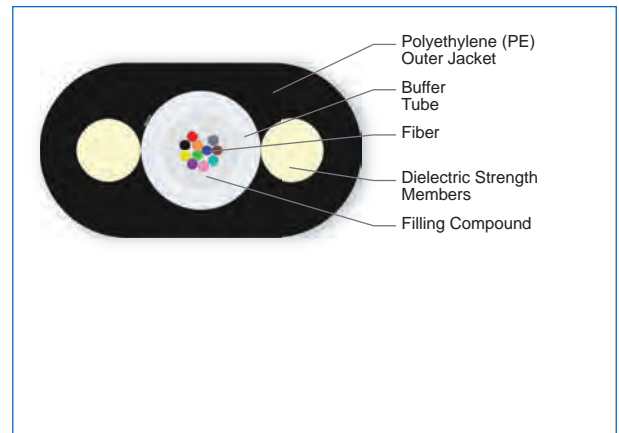
Standards

Approval and Listings

Compact Drop listed to National Electrical Code® (NEC®) OFNR, FT-4



Part Number: 012EBZ-14101A20



Cross Section of Part Number: 012EBZ-14101A20

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Standards

Design and Test Criteria ANSI/ICEA S-110-717,
Telcordia GR-20-CORE,
Telcordia GR-409-CORE

Specifications

General Specifications	
Environment	Indoor/Outdoor Cables
Application	Aerial, Direct Buried, Duct, Self-Supporting, (Vertical Riser, General Building Applications, Tray Rated)
Cable Type	FREEDM® LSZH™ Flat-Drop
Product Type	Dielectric
Fiber Category	Single-mode (OS2)
Flame Rating	LSZH™/FRNC

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design	
Central Element	FRNC/LSZH
Fiber Count	12
Buffer Tube Color Coding	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Buffer Tube Diameter	3 mm (0.12 in)
Outer Jacket Material	LSZH™/FRNC
Outer Jacket Color	Black

Mechanical Characteristics Cable	
Weight	46 kg/km (31 lb/1000 ft)
Nominal Outer Diameter	8.1 mm x 4.4 mm (0.32 in x 0.17 in)
Min. Bend Radius Installation	80 mm (3.15 in)

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Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	1350 N (300 lbf)
Max. Tensile Strength, Long-Term	400 N (90 lbf)

Maximum Span with One-Percent Installation Sag

Maximum Span with 1% Installation Sag, NESC Light	63 m (205 ft)
Maximum Span with 1% Installation Sag, NESC Medium	50 m (165 ft)
Maximum Span with 1% Installation Sag, NESC Heavy	34 m (110 ft)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Ordering Information

Part Number	012EBZ-14101A20
Product Description	SST-Drop™ FREEDM® LSZH™ Riser Cable, 12 F, Single-mode (OS2)



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