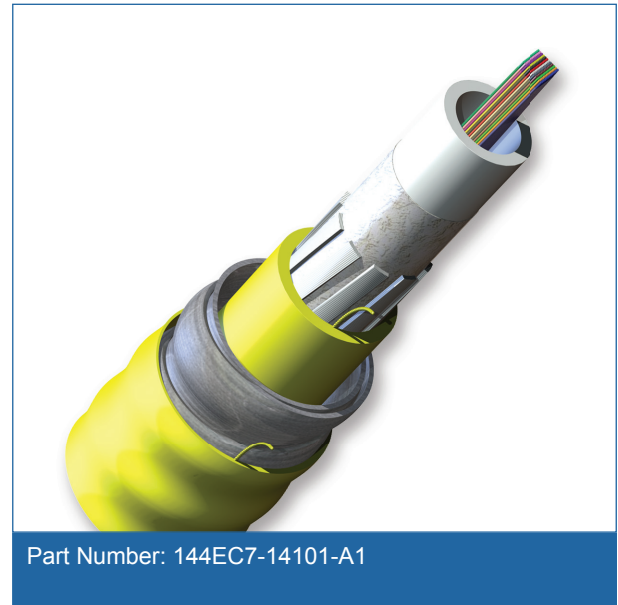


Ribbon Interlocking Armored Cable, Riser

144 F, Single-mode (OS2)

CORNING

Corning ribbon interlocking armored riser cables are designed for use in riser and general-purpose environments in intrabuilding backbone and horizontal installations. These cables are standard ribbon riser cables placed inside spirally wrapped aluminum interlocking armor for ruggedness and superior crush resistance. This special construction facilitates routing inside buildings, through riser shafts, to telecommunication rooms and to workstations. Ideal for heavy traffic or more challenging mechanical exposure conditions, this cable design consists of fibers organized into 12-fiber ribbons inside a central tube surrounded by dielectric strength members to provide tensile strength. The flexible interlocking armor up to seven times the crush protection of nonarmored cables, while a specially formulated flame-retardant outer jacket allows the design to meet the requirements of the NFPA 262 flame test. The 12-fiber ribbons have readily identifiable ribbon ID numbers and fiber colors with easy access to individual fibers.



Part Number: 144EC7-14101-A1

Features and Benefits

Ribbon ID numbers and fiber colors

Easily identifiable

Precise fiber and ribbon geometries

Excellent mass splicing yields

Flame-retardant jacket

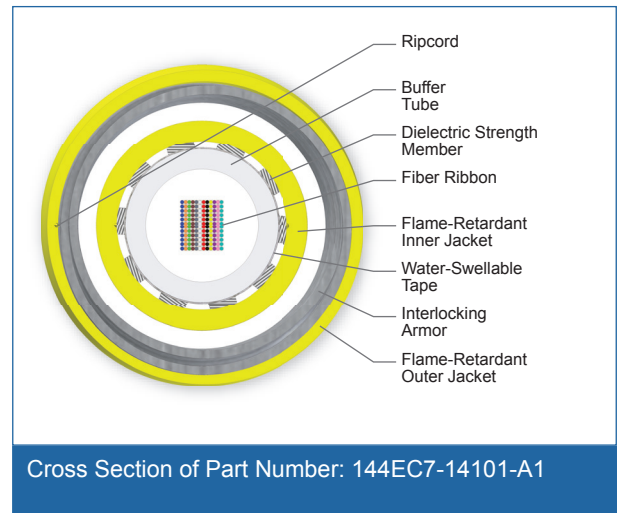
Rugged and durable

Flexible interlocking armor

Up to seven times the crush protection compared to non-armored cables

Common installations

Indoor vertical riser and general purpose horizontal according to National Electrical Code® (NEC®) Article 770



Cross Section of Part Number: 144EC7-14101-A1

Standards

Listings	National Electrical Code® (NEC®) OFNR
Design Criteria	CSA FT-6
Test Criteria	ANSI/ICEA S-83-596

CORNING

Ribbon Interlocking Armored Cable, Riser

144 F, Single-mode (OS2)

CORNING

Specifications

General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser
Cable Type	Ribbon
Flame Rating	Riser (OFCR)
Fiber Category	Single-mode (OS2)

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-10 °C to 60 °C (14 °F to 140 °F)
Operation	-20 °C to 70 °C (-4 °F to 158 °F)

Cable Design	
Fiber Count	144
Ribbons per Tube	12
Fibers per Ribbon	12
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Buffer Tube Color	Natural
Buffer Tube Diameter	11 mm (0.43 in)
Tape, Layer 1	Water-swellable
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Number of Ripcords	2
Inner Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 3	Interlocking armor
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

Mechanical Characteristics Cable	
Max. Tensile Strength, Short-Term	1320 N (300 lbf)
Max. Tensile Strength, Long-Term	400 N (90 lbf)
Nominal Inner Cable Diameter	15.50 mm (0.61 in)
Nominal Outer Diameter	22.5 mm (0.89 in)
Min. Bend Radius Installation	338 mm (13.31 in)

CORNING

Ribbon Interlocking Armored Cable, Riser

144 F, Single-mode (OS2)

CORNING

Mechanical Characteristics Cable

Min. Bend Radius Operation	225 mm (8.86 in)
Weight	396 kg/km (266 lb/1000 ft)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
------	---

Fiber Specifications

Optical Characteristics (cabled)

Fiber Name	Single-mode (OS2)
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	01
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

Ordering Information

Part Number	144EC7-14101-A1
Product Description	Ribbon Interlocking Armored Cable, Riser, 144 F, Single-mode (OS2)
EAN Code	4056418187853

Shipping Information

Units per Delivery	1/1
--------------------	-----



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2016 Corning Optical Communications. All rights reserved.

CORNING