

# MiniXtend® Loose Tube Cables, 12-144 Fibers

CORNING

## Features and Benefits

### SZ-stranded, loose tube design

Protects fibers from installation and environmental rigors and facilitates easy mid-span access

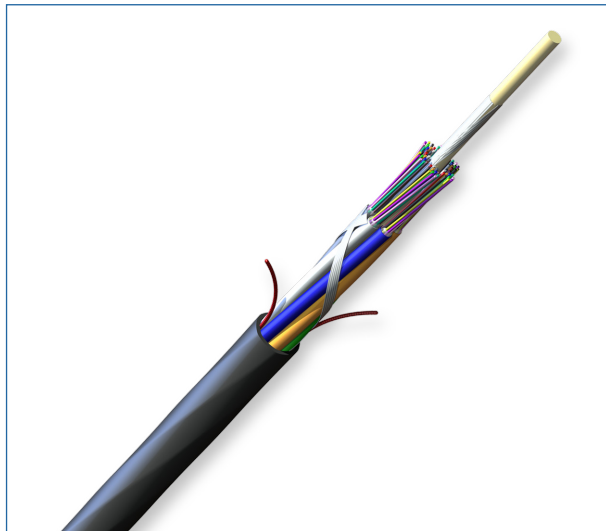
### Reduced diameter, lightweight cable with HDPE jacket

Optimized for air-blown installations in microduct systems

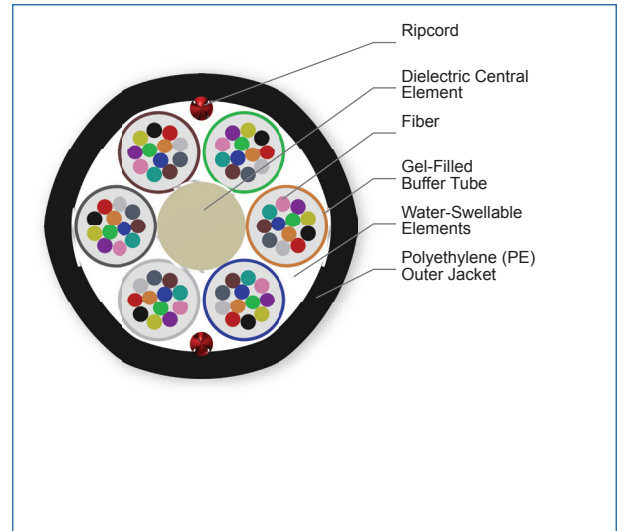
### Efficient use of duct space

Small cable OD enables higher density and lower deployment cost; up to 96 fibers in 8 mm ID duct and up to 144 fibers in 10 mm ID duct

MiniXtend® loose tube cables provide high-fiber density in a small cable design that can be installed in microduct systems using air-assisted installation methods. The high-density polyethylene jacket and small cable size are optimized for air-blown installation while the SZ-stranded, loose tube design enables easy mid-span access.



MiniXtend Loose Tube Cable, 72-Fibers  
| Drawing ZA-3937

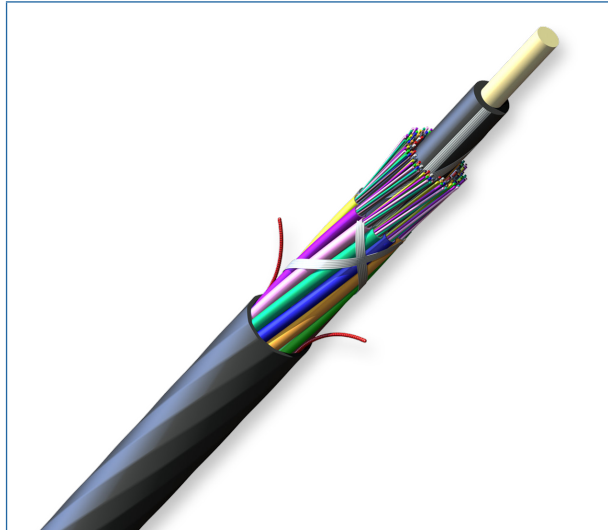


MiniXtend Loose Tube Cable, 72-Fibers  
| Drawing ZA-3938

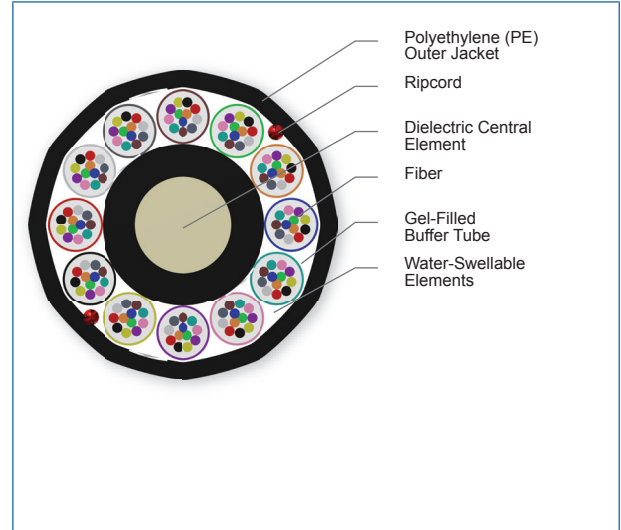
CORNING

# MiniXtend® Loose Tube Cables, 12-144 Fibers

CORNING



MiniXtend Loose Tube Cable, 144-Fibers  
| Drawing ZA-3939



MiniXtend Loose Tube Cable, 144-Fibers  
| Drawing ZA-3940

## Specifications

Temperature Range	
Installation	-5 °C to 40 °C (23 °F to 104 °F)
Operation	-30 °C to 70 °C (-22 °F to 158 °F)
Storage	-30 °C to 70 °C (-22 °F to 158 °F)

Mechanical Characteristics Cable							
Fiber Count	Buffer Tube Diameter	Weight	Nominal Outer Diameter	Max. Tensile Strength, Short-Term	Min. Bend Radius Operation	Min. Bend Radius Installation	Crush Resistance
12 - 72	1.4 mm (0.05 in)	23 kg/km (15 lb/1000 ft)	5.3 mm (0.21 in)	350 N (78 lbf)	80 mm (3.2 in)	106 mm (4.2 in)	100 N/cm (57 lbf/in)
96	1.4 mm (0.05 in)	35 kg/km (24 lb/1000 ft)	6.3 mm (0.25 in)	1000 N (225 lbf)	95 mm (3.7 in)	126 mm (5.0 in)	100 N/cm (57 lbf/in)
144	1.4 mm (0.05 in)	53 kg/km (36 lb/1000 ft)	8.0 mm (0.31 in)	1000 N (225 lbf)	120 mm (4.7 in)	160 mm (6.3 in)	100 N/cm (57 lbf/in)

\* Note: Actual cable outer diameter may vary  $\pm 0.3$  mm.

\* Corning recommends placing this cable in a microduct for all applications, including aerial applications.

CORNING

# MiniXtend® Loose Tube Cables, 12-144 Fibers



## Transmission Performance

Single-mode	
Fiber Type	Single-mode
Fiber Category	OS2
Wavelengths (nm)	1310/1383/1550
Maximum Attenuation (dB/km)	0.35/0.35/0.25

Ordering Information | *Note: Contact Customer Care at 1-800-743-2675 for other options.*

L C X L O 1 - U <u>    </u> <u>    </u> <u>    </u> B - 4 6 0 0 - <u>5 3</u>
------------------------------------------------------------------------------

**1** Select fiber count.  
Standard offerings:  
012 to 144

**2** Defines print in feet  
on cable.

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](http://www.corning.com/opcomm)  
A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/trademarks](http://www.corning.com/opcomm/trademarks).  
Corning Optical Communications is ISO 9001 certified. © 2014 Corning Optical Communications. All rights reserved.

