

# MiniXtend Plenum Microcable



Jetted micro cables utilize 250um color-coded optical fibers surrounded by dielectric strength members with a flexible, flame-retardant outer jacket and water-blocking components to protect against water intrusion. These cables are ideal for point-to-point applications for indoor and campus indoor/outdoor projects. The small cable design is optimized for jetting installation method in microducts. This cable complies with ICEA-S-83-596 interconnect standard and can be used as a stand-alone cable for indoor applications. When conducting outdoor, point-to-point, installations, it is recommended to transition from outdoor to indoor environments within microducts, and mid-spanning is not advised along outdoor routes. The cable can be routed outside microduct in indoor environments. The flexible, flame-retardant (OFNP) jacket and non-preferential bend axis allow easy installation in space-constrained areas, and the all-dielectric cable constructions requires no grounding or bonding..

## Features and Benefits

### Color-coded fibers

12-24 colored fibers per unit (12 solid; 12 ring marked)

### Microduct/Airblown optimized

Cable is jettted/blown to maximize speed of install and minimize the amount of labor needed to install cable

### Small design

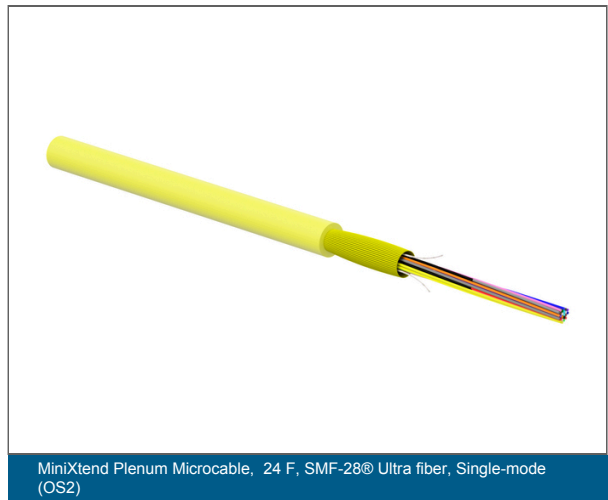
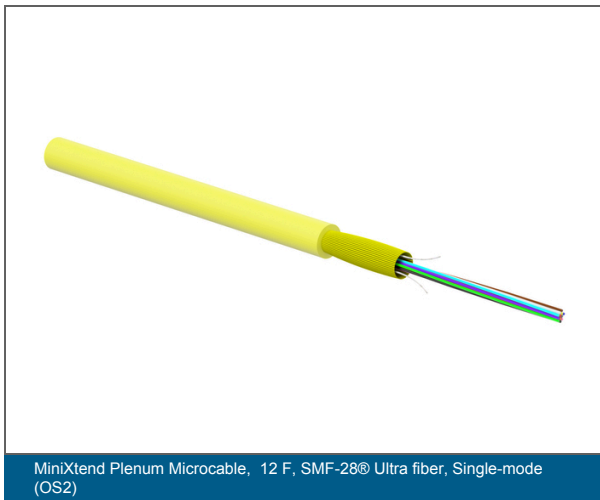
Alternative to traditional indoor cables when smaller diameter required

### All-dielectric cable construction

Requires no grounding or bonding

### Compatible with CCH pigtailed cassettes

Ideal for splicing 250 μm to 250 μm fibers



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## Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596

## Specifications

### General Specifications

Product Type	Distribution Cable; Ring-marked fibers
Cable Type	Jetted
Flame Rating	NFPA 262 (for plenum, riser and general building applications)

### Temperature Range

Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)
Temperature Range, Installation	0 °C - 60 °C (32 °F - 140 °F)
Temperature Range, Operation	0 °C - 70 °C (32 °F - 158 °F)
Notes	Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

### Design Characteristics Cable

Fiber Count	Number of Active Tubes
12 - 24	1

## Transmission Performance

### Single-mode

Performance Option Code	01
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Single-mode	
Fiber Category	G.652.D/G.657.A1
Fiber Name	SMF-28® Ultra fiber
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Code	Z
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km



- 1** Select fiber count.  
12 24
- 2** Defines fiber type.  
Z = Single-mode (OS2)  
SMF-28® Ultra fiber
- 3** Defines cable type.  
M = Airblown
- 4** Defines outer jacket.  
4 = Plenum
- 5** Defines fiber placement.  
T = Standard design
- 6** Defines length markings.  
4 = Markings in feet (Standard)
- 7** Defines Loose Tube.  
1 = Standard
- 8** Defines performance option code.  
01 = Single-mode (OS2)  
Max. attenuation 0.3/0.3/0.3 dB/km
- 9** Defines cable type.  
D = Gel-free Cable
- 10** Defines special manufacturing code.  
20 = Standard construction



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