

MiniXtend Plenum Microcable 24 F, SMF-28® Ultra fiber, Single-mode (OS2)

CORNING

Part Number:
024ZMP-T4101D20

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 jetted/blown to maximize speed of install and minimize the amount of labor needed to install cable

Small design

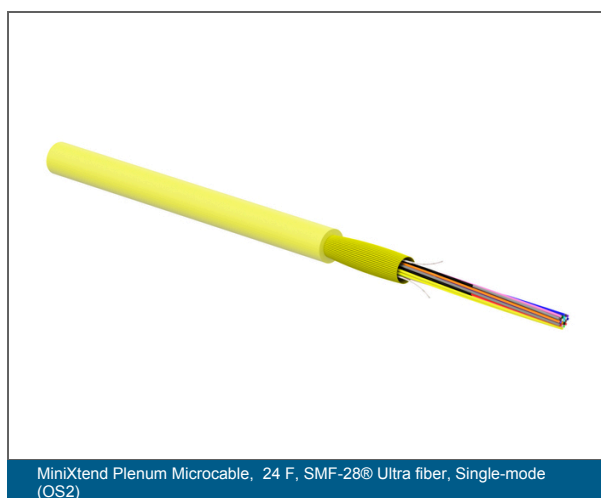
Alternative to traditional indoor cables when smaller diameter required

All-dielectric cable construction

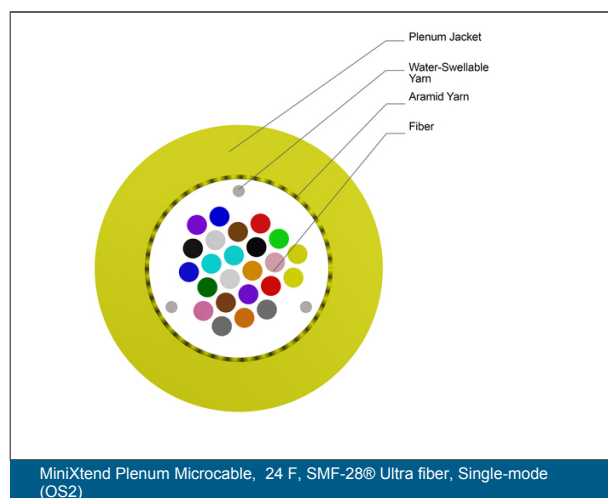
Requires no grounding or bonding

Compatible with CCH pigtailed cassettes

Ideal for splicing 250 µm to 250 µm fibers



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Specifications

General Specifications

Installation Methods	Horizontal, Riser, Plenum, Jetting
Cable Type	Loose Tube
Product Type	Distribution
Fiber Category	SMF-28® Ultra
Flame Rating	NFPA 262 (for plenum, riser and general building applications)
Cable geometry	Round

Standards

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

Environmental Conditions

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.
Temperature Range, Installation	0 °C to 60 °C (32 °F to 140 °F)
Temperature Range, Operation	0 °C to 70 °C (32 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design

Fiber Count	24
Buffer Tube Color	Yellow
Number of Active Tubes	1

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Mechanical Specifications

Max. Tensile Strength, Long-Term	30 N (6.74 lbf)
Max. Tensile Strength, Short-Term	100 N (22.48 lbf)
Min. Bend Radius Installation	72 mm (2.83 in)
Min. Bend Radius Operation	36 mm (1.42 in)
Nominal Outer Diameter	3.6 mm (0.14 in)

Optical Characteristics

Fiber Code	Z
Performance Option Code	01
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1

Dimensions

Cable Weight	11.8 kg/km (7.93 lb/1000 ft)
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Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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