

FR Micro Cable 4F ClearCurve® Single-mode LBL, white, B2ca-s1a,d1,a1

The Corning logo is a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

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Part Number:
004JTZ-42622N2C

Corning micro cables for FTTH Application. Cables made with flame retardant sheath are designed for indoor installation, typically vertical in building shafts or conduits as well as for the cabling between floor distributors. Suitable for blowing up to 150m.

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Specifications

General Specifications

Cable Type	Loose Tube
Environment	Indoor
Product Type	Dielectric
Fiber Category	ClearCurve® LBL
Flame Rating	LSZH/FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	J-B(ZN)H
Application	General purpose, Horizontal, Vertical Riser, Miniduct
Cable geometry	Round

Standards

Reaction to Fire	B2ca, s1a, d1, a1
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Waterblocking	No
Flame propagation test	Flame retardant according to IEC 60332-1-2 (single cable) and IEC 60332-3-24 (bunch of cables)
Reaction to Fire Requirements	Reaction to fire according to EN 50575 and EN 13501-6
Smoke density	Low smoke according to IEC 61034
Halogen content test	Zero Halogen according to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2

Environmental Conditions

Temperature Range, Installation	-5 °C to 60 °C
Temperature Range, Operation	-10 °C to 60 °C
Temperature Range, Storage	-25 °C to 70 °C

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Cable Design

Cable Marking	Meter - Handset - CE 22 EN 50575 B2ca-s1a,d1,a1 - Sine - CORNING - Fiber Optic Cable - Year - J-B(ZN)H 1X(1X4) E9CC R7,5/125 LSZH/FRNC
Fiber Count	4
Outer Jacket Color	White
Outer Jacket Material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Tensile Strength Elements and/or Armoring	Aramid Yarn
Cable Marking Color	Black
Fibers per Tube	4
Color Code Standards	Telcordia
Inner Tube Diameter	0.8 mm

Mechanical Specifications

Crush Resistance	500 N/10 cm
Max. Tensile Strength for Installation	150 N
Min. Bend Radius Installation	48 mm
Min. Bend Radius Operation	40 mm
Nominal Outer Diameter	2.4 mm

Optical Characteristics

Cable cutoff wavelength	1260 nm
Fiber Code	J
Fiber Name	ClearCurve® LBL
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A2/B2
Performance Option Code	22
Fiber Core Diameter	8.2 µm
Cladding diameter	125 µm
Maximum Attenuation	0.36 dB/km / 0.36 dB/km / 0.22 dB/km

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Optical Characteristics

Fiber Bend Performance at 1550nm 7.5mm radius	≤ 0.4 dB/turn
Mode-Field Diameter at 1310 nm	8.6 μm
Mode-Field Diameter at 1550 nm	9.6 μm
Parallel Optics 40 Gigabit Ethernet	150 m / -
Wavelengths	1310 nm / 1383 nm / 1550 nm
PMD Link Design Value	≤ 0.06 ps/(nm*km)
PMD maximum individual fiber	≤ 0.2 ps/(nm*km)
Coating diameter	242 μm
Fiber Category	OS2
Dispersion @ 1550 nm	≤ 18 [ps/(nm*km)]
Dispersion @ 1625 nm	≤ 23 [ps/(nm*km)]

Dimensions

Cable Weight	7 kg/km
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