

Zipcord Tight-Buffered Cable, Plenum

2 F, Single-mode (OS2)

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Corning Cable Systems Zipcord Cables are designed for interconnect applications. Two 900 μm TBII® Buffered Fibers are surrounded by aramid yarn strength members and a flame-retardant jacket. This cable design offers mechanical durability and flame resistance that meet the requirements of the National Electrical Code® (NEC®) Article 770.

Features and Benefits

Meets NEC requirements

Meets burn test criteria

All-dielectric strength member

Mechanical durability

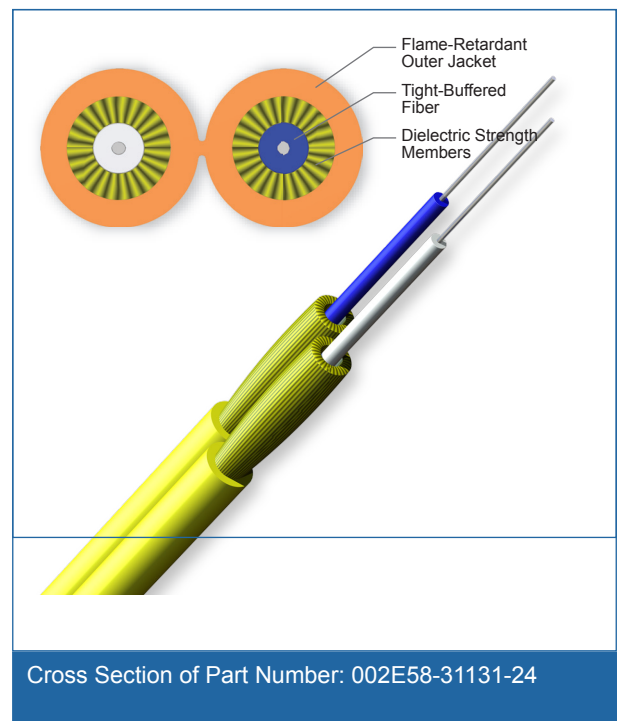
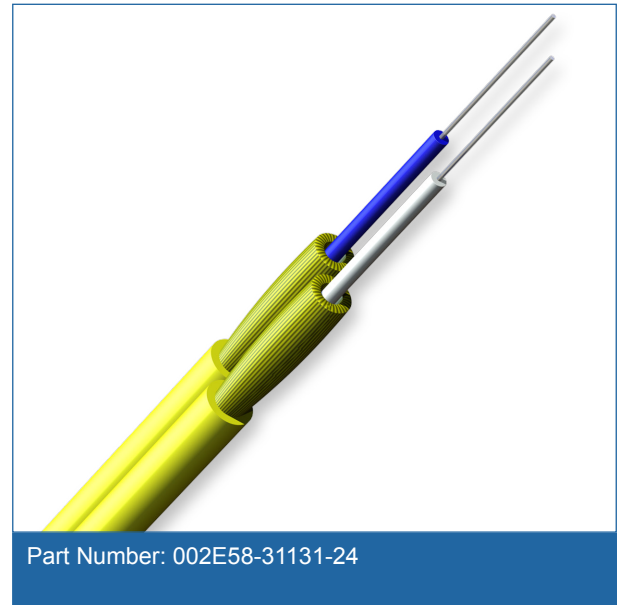
Standards

Approval and Listings

National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596

Flame Resistance

NFPA 262 (for plenum, riser and general building applications)



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Specifications

General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Interconnect
Flame Rating	Plenum (OFNP)
Fiber Category	SM (OS2)

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

Design

Fiber Count	2
Tight buffer color	Blue, White
Tensile strengths elements / armoring	Dielectric strength members
Number of Subunits	2
Outer jacket material	Flame-retardant
Outer jacket color	Yellow

Mechanical Characteristics Cable

Max. Tensile Strengths, Short-Term	220 N (50 lbf)
Max. Tensile Strengths, Long-Term	66 N (15 lbf)
Weight	14.6 kg/km (10.0 lb/1000 ft)
Nominal Outer Diameter	2.8 mm x 5.6 mm (0.11 in x 0.22 in)
Min. Bend Radius Installation	50.0 mm (2.0 in)
Min. Bend Radius Operation	25.0 mm (1.0 in)

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Chemical characteristics

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

Fiber Specifications

Optical Characteristics (cabled)

Fiber Core Diameter	8.2 µm
Fiber Type	Single-mode
Fiber Category	OS2
Fiber Code	E
Performance Option Code	31
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.65 dB/km / 0.65 dB/km / 0.5 dB/km
Serial 1 Gigabit Ethernet	5000 m / - / -
Serial 10 Gigabit Ethernet	10000 m / - / 40000 m

* ITU-T G.652 D compliant

Notes: 1) Improved attenuation and bandwidth options available
2) Bend-insensitive single-mode fibers available on request
3) Contact a Corning Cable Systems Customer Service Representative for additional information

Ordering Information

Order Number	002E58-31131-24
Product description	Zipcord Tight-Buffered Cable, Plenum, 2 F, 2.8 mm diameter, Single-mode (OS2)

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