

DFX® 250 Cable, Riser

CORNING

Corning DFX® 250 cables have two 250 μm fibers surrounded by aramid yarn strength members in a flexible flame-retardant jacket. These cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and are OFNR and FT-4 listed. DFX 250 cables are ideal for interconnect applications.

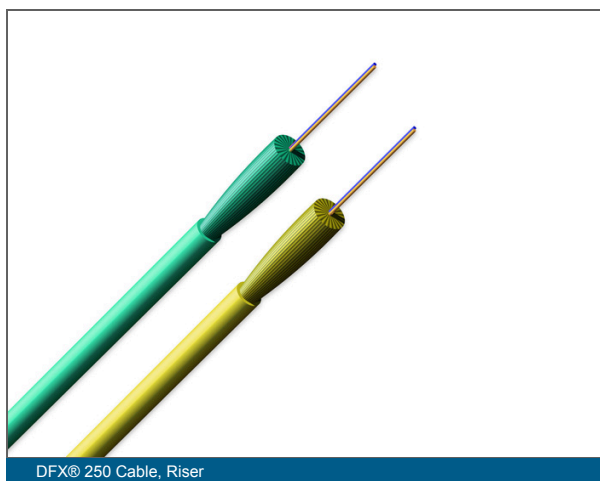
Features and Benefits

Two 250 μm fibers

Small 2.0 mm package

Flexible 2-fiber cable

High-density interconnect applications



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Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Specifications

General Specifications

Environment	Indoor
Product Type	Interconnect
Cable Type	Loose Tube
Flame Rating	Riser (OFNR)

Temperature Range

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

Design Characteristics Cable

Fiber Count	Subunit Diameter
2	2.05 mm (0.08 in)
2	1.65 mm (0.06 in)

Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Max. Tensile Strength, Short-Term	Max. Tensile Strength, Long-Term	Cable Weight
2	2.05 mm (0.08 in)	30.75 mm (1.21 in)	20.5 mm (0.81 in)	100 N (22.48 lbf)	50 N (11.24 lbf)	274 kg/km (184.12 lb/1000 ft)

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Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Max. Tensile Strength, Short-Term	Max. Tensile Strength, Long-Term	Cable Weight
2		30.75 mm (1.21 in)	20.5 mm (0.81 in)	100 N (22.48 lbf)		274 kg/km (184.12 lb/1000 ft)
2	1.65 mm (0.06 in)	24.75 mm (0.97 in)	16.5 mm (0.65 in)	100 N (22.48 lbf)	50 N (11.24 lbf)	274 kg/km (184.12 lb/1000 ft)

Transmission Performance

Multimode

Fiber Category	OM4
Fiber Code	T
Performance Option Code	90
Fiber Core Diameter	50 µm
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	550 m / -
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -

Transmission Performance

Single-mode

Fiber Name	Bend-Improved Single-mode (OS2)
Performance Option Code	01
Fiber Category	OS2

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Single-mode	
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Code	Z
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km



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