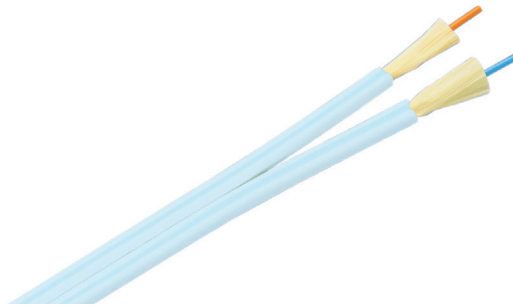


technical information

Opti-Core® Fiber Optic Interconnect Cable is an integral part of the Panduit end-to-end fiber optic solution, designed to support today's data needs while meeting tomorrow's ever-advancing network requirements. Opti-Core® Fiber Optic Interconnect Cable is used within buildings to extend or interconnect network segments. The small cable size allows for installation in space-restricted areas for applications that include horizontal cabling systems in support of high end workstations, secure networks and zone cabling. Interconnect cable can also be used for patch cords and jumpers. Opti-Core® Fiber Optic Interconnect Cable features the highest quality OM3 and OM4 laser optimized fiber to support 10 Gb/s applications while maintaining compatibility with existing 50µm multimode systems. Standard duplex singlemode and multimode interconnect cable is available in riser and plenum rated constructions.



application

Used in interconnect, horizontal installations, routing in tight spaces such as panels, cable trays and fiber-to-the-desk (FTTD) applications

standards

ANSI/ICEA S-83-596	CSA 22.2 No 230
UL 1666	Telcordia GR-409
NFPA 262	RoHS Compliant

construction and mechanical properties

Outer sheath	Yellow for singlemode, Aqua for OM3 and OM4 multimode
Tensile strength	Installation/Load: 50 lbf (220 N) Long Term/No Load: 12.5 lbf (55 N)
Compressive strength (crush)	20 lbs./in.
Impact	3 at 0.74 Nm
Torsion	10 cycles
Temperature range	Storage: -40°F to 158°F (-40°C to 70°C) Installation: -4°F to 140°F (-20°C to 70°C) Operation: -4°F to 140°F (-20°C to 70°C)

Opti-Core® Fiber Optic Interconnect Cable, Americas

physical properties – riser

Fiber Count	Cable O.D. Inches	Installation Bend Radius Inches	Long Term Bend Radius Inches	Cable Weight Lb./kft.
2	0.11	2.3	1.2	9

physical properties – plenum

Fiber Count	Cable O.D. Inches	Installation Bend Radius Inches	Long Term Bend Radius Inches	Cable Weight Lb./kft.
2	0.11	2.3	1.2	11

fiber color code

1 Blue
2 Orange

ordering information

*Example: FOIRX02Y Fiber, Interconnect Cable, Riser Rated, OM3, 2-Fiber

Character	1	2	3	4	5	6	7	8
Example	F	0	I	R	X	0	2	Y

1 and 2 – Fiber Product, Region

FS = Fiber Cable, Americas, OS1

FO = Fiber Cable, Americas, OM3 & OM4

3 – Cable Construction

I = Interconnect Cable

4 – Flame Rating

R = Riser
P = Plenum

5 – Fiber Type

9 = Singlemode (ITU G.652.D)
X = Multimode (OM3)
Z = Multimode (OM4)

6 and 7 – Fiber Count

02 = 2-Fiber

8 – RoHS

Y = Yes

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For more information

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