

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 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
UL 16666
NFPA 262

CSA 22.2 No 230
Telcordia GR-409
RoHS Compliant

construction

Inner sheath	PVC	
Outer sheath	PVC	
Mechanical Properties	Riser	Plenum
Tensile strength (< 12 fibers)	Installation: 300 lb. (1335N) Long term: 100 lb. (440 N)	Installation: 100 lb. (440 N) Long term: 30 lb. (132 N)
Tensile strength (> 12 fibers)	Installation: 100 lb. (440 N) Long term: 30 lb. (132 N)	Installation: 300 lb. (1335 N) Long term: 100 lb. (440 N)
Compressive strength (crush)	20 lbs./inch	
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)	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

physical properties – riser

Fiber Count	Cable OD Inches	Installation Bend Radius Inches	Long Term Bend Radius Inches	Cable Weight Lb/kft
2	.028	2.3	1.2	9

physical properties – plenum

Fiber Count	Cable OD Inches	Installation Bend Radius Inches	Long Term Bend Radius Inches	Cable Weight Lb/kft
2	.028	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	O	I	R	X	0	2	Y

1 & 2 – Fiber Product

FS = Fiber – OM1, OM2, OS1
FO = Fiber – OM3, OM4

3 – Cable Construction

I = Interconnect cable

4 – Flame Rating

R = Riser
P = Plenum

5 – Fiber Type

9 = Singlemode (OS2 ITU G.652.D)
6 = Multimode (OM1)
5 = Multimode (OM2)
X = Multimode (OM3)
Z = Multimode (OM4)

6 & 7 – Fiber Count

02 = 2-fiber

8 – RoHS

Y = Yes

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For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

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