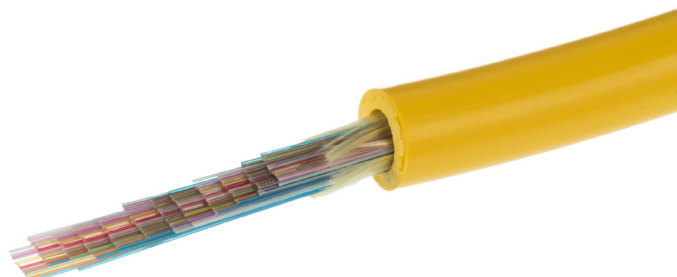


Opti-Core® 144-Fiber Indoor Ribbon Cable, Plenum

PANDUIT®
SPECIFICATION SHEET

specifications

Fibers shall be ribbonized for easy mass fusion splicing and termination with 12-fiber MPO style connectors. Cable shall contain 144-singlemode fibers and be flame rated for indoor plenum spaces. Construction shall be compact, lightweight and all-dielectric.



standards and flame rating

Telcordia GR-409

ITU G.657.A1

TIA-598

RoHS Compliant

Flame rating: Plenum NFPA 262

key features and benefits

Ribbonized fibers Allow the installer to splice or terminate twelve fibers at a time; reduced installation time; compatible with MPO connectors and pigtails

Flexible ribbon technology Allows more fibers to fit in a smaller cable; less material to remove than traditional flat ribbons when fusion splicing or terminating; lighter weight cable

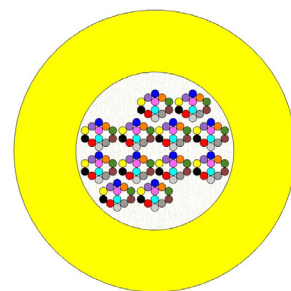
Compact design Has smaller diameter and bend radius than non-ribbonized fiber cables; more flexible and easier to install

G.657.A1 singlemode fibers Deliver high bit rate data transmission and are bend insensitive

construction

Flexible Fiber Ribbons Twelve color-coded fibers are connected to each other by an intermittent UV-curable resin. The intermittent nature of the bond allows the fibers to be bunched together when inside the cable or flattened to form a ribbon when splicing or terminating. Ribbons are sequentially marked for easy identification.

Strength Members and Jacket Twelve flexible ribbons and aramid strands are packaged in a high-performance PVC jacket (yellow).



applications

Suitable for a variety of indoor applications including data centers, colocation facilities and central offices. Often used for building interconnections and backbones between data center rooms. Twelve fiber ribbons are ideal for mass fusion splicing and MPO multi-fiber connectors.

Opti-Core® 144-Fiber Indoor Ribbon Cable, Plenum













physical and mechanical properties

<i>Cable Diameter</i>	0.35 in. (9.0mm)
<i>Cable Weight</i>	55.8 lbs./kft (83kg/km)
<i>Minimum Bend Radius (installation/load)</i>	5.3 in. (13.5cm)
<i>Minimum Bend Radius (long term/no load)</i>	3.6 in. (9.0cm)
<i>Maximum Tensile Rating (installation)</i>	22 lbs. (98 N)
<i>Maximum Tensile Rating (long term)</i>	7 lbs. (30 N)
<i>Temperature Range</i>	
<i>Shipping and storage</i>	-40°F to +167°F (-40° to +75°C)
<i>Installation</i>	+32°F to +158°F (0° to +70°C)
<i>Operating</i>	+32°F to +158°F (0° to +70°C)

optical properties (singlemode itu g.657.a1)

Attenuation, max. 1310nm (cabled)	0.5dB/km
Attenuation, max. 1550nm (cabled)	0.5dB/km

ribbon fiber color sequence (tia-598)

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Clear	Yellow	Violet	Pink	Aqua
											

ordering information

Part Number	Description	Unit of Measure
FFDPAX144F	OS2 144-Fiber Indoor Distribution Cable, Plenum (OFNP), Flexible Ribbon, FT	Feet

Please contact Panduit customer service for information on additional part number options.

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
Phone: 61.3.9794.9020

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

PANDUIT®

For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

© 2020 Panduit Corp.
ALL RIGHTS RESERVED.
Printed in the U.S.A.
FBSP189--WW-ENG
11/2020