

PANDUIT™ OPTI-CORE™ Fibre Optic Indoor Cable



PANDUIT™ OPTI-CORE™ Fibre Optic Indoor Cable is an integral part of the PANDUIT end-to-end fibre optic solution, designed to support today's data needs while meeting tomorrow's ever-advancing network requirements. OPTI-CORE™ Fibre Optic Indoor Cable is used within buildings to provide high-density connectivity and ease of installation. Applications include intrabuilding backbones, routing between telecommunications rooms and connectorised cables that require LSZH ratings. OPTI-CORE™ 10Gig™ Fibre Optic Indoor Cable features the highest quality OM3 laser optimised fibre to support 10Gb/s applications while maintaining compatibility with existing 50µm multimode systems. Standard singlemode and multimode indoor cable is available in fibre counts from 4 to 72 fibres. Larger distribution cable features a 6 fibre per sub-unit design that simplifies fibre identification, provides easy access and routing of the fibres and increases cable durability with a dielectric central strength member.

Key Features	Benefits
Compact versatile design	Efficient packaging of higher fibre counts Lightweight and easy to handle during installation Cable design and flexible buffer tubes allow for quick breakout and ease of routing
Buffered fibres	High quality buffering offers ease of stripping while maintaining optical performance
Easy identification	Sheath markings provide positive identification and length verification Buffered fibres and subunits are colour-coded for easy identification
Standard designs	Low Smoke Zero Halogen (LSZH) IEC 60332-1, IEC 60332-3C, IEC 61034 and IEC 60754-2 rated version Singlemode (OS1) and multimode (OM1, OM2, and OM3 laser optimised) fibre
10Gb/s laser optimised fibre	Provides simple upgrade path for future bandwidth hungry applications without media retrofit Extends life cycle and reduces cost of ownership
Custom design options	Low attenuation designs increase network reliability and performance Multimode/Singlemode hybrid designs extend life cycle and reduce cost of ownership Indoor/outdoor designs meet specific application requirements Higher fibre count cable provides application flexibility

Technical Information

Low Smoke Zero Halogen	Performance Measure						
	Bend Radius		Tensile Rating		Temperature		
Fibre Count	Dynamic	Static	Installation	Long Term	Storage	Installation	Operation
<8 fibres	50mm	100mm	1000 N	280 N	-40° to 70°C	-20° to 70°C	-20° to 70°C
Max. 16 fibres	75mm	130mm	1200 N	340 N	-40° to 70°C		
Max. 24 fibres	115mm	230mm	3300 N	1100 N	-40° to 70°C		
Max. 36 fibres	150mm	150mm	3600 N	1200 N	-20° to 70°C		
Max. 48 fibres	150mm	150mm	4200 N	1400 N	-20° to 70°C		

PANDUIT™ OPTI-CORE™ Fibre Optic Indoor Cable

Technical Information (continued)

Low Smoke Zero Halogen	Performance Measure	
	Attenuation	
Singlemode	@1310nm	@1550nm
9µm (OS1)	.39dB/km	.25dB/km
Multimode	@850nm	@1300nm
62.5µm (OM1)	3.2dB/km	1.0dB/km
50µm (OM2)	2.7dB/km	.8dB/km
10Gig™ 50µm (OM3)	3.0dB/km	1.0dB/km

Ordering Information

Part Number	Part Description	Colour	Min. Order Qty. (m) ^A
-------------	------------------	--------	----------------------------------

OPTI-CORE™ LSZH Indoor Cable – Multimode

FPDL604	4 fibre 62.5/125µm (OM1) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL608	8 fibre 62.5/125µm (OM1) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL612	12 fibre 62.5/125µm (OM1) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL624	24 fibre 62.5/125µm (OM1) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL636	36 fibre 50/125µm (OM1) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL648	48 fibre 50/125µm (OM1) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL672	72 fibre 50/125µm (OM1) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL504	4 fibre 50/125µm (OM2) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL508	8 fibre 50/125µm (OM2) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL512	12 fibre 50/125µm (OM2) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL524	24 fibre 50/125µm (OM2) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL536	36 fibre 50/125µm (OM2) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL548	48 fibre 50/125µm (OM2) multimode low smoke zero halogen distribution cable.	Orange	1000
FPDL572	72 fibre 50/125µm (OM2) multimode low smoke zero halogen distribution cable.	Orange	1000
FQILX02	2 fibre 10Gig™ 50/125µm (OM3) multimode low smoke zero halogen interconnect cable; 2.9mm dia., zip-cord.	Orange	1000
FQDLX04	4 fibre 10Gig™ 50/125µm (OM3) multimode low smoke zero halogen distribution cable.	Aqua	1000
FQDLX08	8 fibre 10Gig™ 50/125µm (OM3) multimode low smoke zero halogen distribution cable.	Aqua	1000
FQDLX12	12 fibre 10Gig™ 50/125µm (OM3) multimode low smoke zero halogen distribution cable.	Aqua	1000
FQDLX24	24 fibre 10Gig™ 50/125µm (OM3) multimode low smoke zero halogen distribution cable.	Aqua	1000
FQDLX36	36 fibre 10Gig™ 50/125µm (OM3) multimode low smoke zero halogen distribution cable.	Aqua	1000
FQDLX48	48 fibre 10Gig™ 50/125µm (OM3) multimode low smoke zero halogen distribution cable.	Aqua	1000
FQDLX72	72 fibre 10Gig™ 50/125µm (OM3) multimode low smoke zero halogen distribution cable.	Aqua	1000

OPTI-CORE™ LSZH Indoor Cable – Singlemode

FPIL902	2 fibre 9/125µm (OS1) singlemode low smoke zero halogen interconnect cable; 2.9mm dia., zip-cord.	Yellow	1000
FPDL908	8 fibre 9/125µm (OS1) singlemode low smoke zero halogen distribution cable.	Yellow	1000
FPDL912	12 fibre 9/125µm (OS1) singlemode low smoke zero halogen distribution cable.	Yellow	1000
FPDL924	24 fibre 9/125µm (OS1) singlemode low smoke zero halogen distribution cable.	Yellow	1000
FPDL936	36 fibre 9/125µm (OS1) singlemode low smoke zero halogen distribution cable.	Yellow	1000
FPDL948	48 fibre 9/125µm (OS1) singlemode low smoke zero halogen distribution cable.	Yellow	1000
FPDL972	72 fibre 9/125µm (OS1) singlemode low smoke zero halogen distribution cable.	Yellow	1000

^ALengths and availability: OPTI-CORE™ Fibre Optic Indoor Cable is available in 10 metre increments greater than 1000 metres. Other custom length options are available that include jacket colours, hybrid constructions (multiple fibre types within a single cable), flame ratings, subunit counts, armouring, indoor/outdoor designs, premium optical performance grades and ribbonised constructions. Contact Customer Service (+44 20 8601 7200) for available configurations and lead times.

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6379.6700

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.3767.7011

PANDUIT LATIN AMERICA
Jalisco, Mexico
cs-la@panduit.com
Phone: 52.333.777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

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



For more information
Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: +44 (0) 20 8601 7219 and reference FBCB15-GB

©2006 PANDUIT Corp.
ALL RIGHTS RESERVED.
Product Bulletin Number **WW-FBCB15-GB**
4/2006