

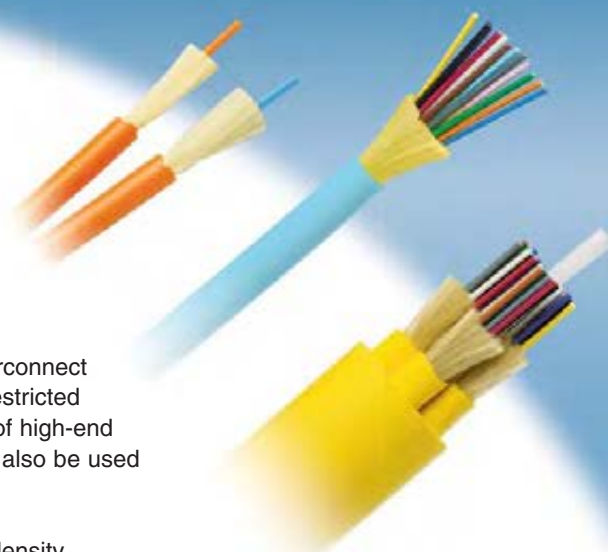
Panduit™ Opti-Core™ Fiber Optic Indoor Cable

Panduit™ Opti-Core™ Fiber Optic Indoor 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. Standard RoHS compliant singlemode and multimode indoor cable is available in fiber counts from 2 to 48 fibers.

2 and 4-fiber 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.

6 thru 48-fiber distribution cable is used within buildings to provide high-density connectivity and ease of installation. Applications include intra-building backbones, routing between telecommunications rooms, and connectorized cables in riser and low smoke zero halogen environments. Distribution cable in 6 and 12-fiber stranded designs has 900µm tight-buffered fibers surrounded by an aramid yarn strength member. Larger distribution cable (24 fibers and greater) features a sub-unit design that simplifies fiber identification, provides easy access and routing of the fibers, and increases cable durability with a dielectric central strength member.

Opti-Core™ 10Gig™ Fiber Optic Indoor Cable features the highest quality OM3 laser optimized fiber to support 10 Gb/s applications while maintaining compatibility with existing 50µm multimode systems. 10Gig™ Fiber Optic Indoor Cable includes 10Gig™ 300 OM3 Cable for 300 meter reach requirements, 10Gig™ 150 OM2+ Cable for 150 meter reach requirements and 10Gig™ OM4 Cable for 550 meter reach requirements.



Key Features

Benefits

Compact versatile design	Small diameter and flexible jackets allow for routing in tight spaces such as panels, cable trays and fiber-to-the-desk applications Efficient packaging of higher fiber counts Lightweight and easy to handle during installation Cable design and flexible buffer tubes allow for quick breakout and ease of routing
OFNR and OFN-FT4 flame rated jacket	Riser rated design meets UL1666 for standard compliant safety
LSZH flame rated jacket	Low smoke zero halogen rated design meets IEC 60332-1, IEC 61034, and IEC 60754-2 for standards compliant safety
Buffered fibers	High quality buffering offers ease of stripping while maintaining optical performance
Easy identification	Sheath markings provide positive identification and length verification Buffered fibers and subunits are color-coded in accordance with TIA standard for easy identification
Variety of cable configurations	Supports multimode, singlemode, and hybrid design variations; provides design flexibility and lower cost of ownership
10 Gb/s laser optimized fiber available	Provides simple upgrade path for future bandwidth hungry applications without media retrofit; extends life cycle and reduces cost of ownership
10Gig™ 300m, 10Gig™ 550m and 10Gig™ 150m reach options	Offers flexibility to meet 300, 150 or 550 meter 10 Gb/s reach requirements for specific system design and application needs

Panduit™ Opti-Core™ Fiber Optic Indoor Cable

Technical Information

Performance Measure	Riser (OFNR) and Low Smoke Zero Halogen (LSZH)
Bend radius	Dynamic: 20 x Cable O.D.; Static: 10 x Cable O.D.
Tensile rating (<12 fibers)	Installation: 660 N; Long Term: 165 N
Tensile rating (>12 fibers)	Installation: 1300 N; Long Term: 330 N
Storage temperature	-40° to 65°C
Installation temperature	-20° to 50°C
Operation temperature	-20° to 50°C
Attenuation	Singlemode: 0.7dB/km @ 1310nm & 1550nm Multimode: 3.5dB/km @ 850nm; 1.5dB/km @ 1300nm

Ordering Information

Part Number	Part Description	Fiber Count	Color
Opti-Core™ Riser Indoor Cable (OFNR) – Multimode			
FLIRZ02Y	2-fiber 10Gig™ 550 50/125µm (OM4) multimode riser rated interconnect cable.	2	Aqua
FLIRZ04Y	4-fiber 10Gig™ 550 50/125µm (OM4) multimode riser rated interconnect cable.	4	Aqua
FLDRZ06Y	6-fiber 10Gig™ 550 50/125µm (OM4) multimode riser rated distribution cable.	6	Aqua
FLDRZ08Y	8-fiber 10Gig™ 550 50/125µm (OM4) multimode riser rated distribution cable.	8	Aqua
FLDRZ12Y	12-fiber 10Gig™ 550 50/125µm (OM4) multimode riser rated distribution cable.	12	Aqua
FLDRZ24Y	24-fiber 10Gig™ 550 50/125µm (OM4) multimode riser rated distribution cable.	24	Aqua
FLDRZ36Y	36-fiber 10Gig™ 550 50/125µm (OM4) multimode riser rated distribution cable.	36	Aqua
FLDRZ48Y	48-fiber 10Gig™ 550 50/125µm (OM4) multimode riser rated distribution cable.	48	Aqua
FLIRX02Y	2-fiber 10Gig™ 300 50/125µm (OM3) multimode riser rated interconnect cable; 2.9mm dia., zip-cord.	2	Aqua
FLIRX04Y	4-fiber 10Gig™ 300 50/125µm (OM3) multimode riser rated interconnect cable.	4	Aqua
FLDRX06Y	6-fiber 10Gig™ 300 50/125µm (OM3) multimode riser rated distribution cable.	6	Aqua
FLDRX08Y	8-fiber 10Gig™ 300 50/125µm (OM3) multimode riser rated distribution cable.	8	Aqua
FLDRX12Y	12-fiber 10Gig™ 300 50/125µm (OM3) multimode riser rated distribution cable.	12	Aqua
FLDRX24Y	24-fiber 10Gig™ 300 50/125µm (OM3) multimode riser rated distribution cable.	24	Aqua
FLDRX36Y	36-fiber 10Gig™ 300 50/125µm (OM3) multimode riser rated distribution cable.	36	Aqua
FLDRX48Y	48-fiber 10Gig™ 300 50/125µm (OM3) multimode riser rated distribution cable.	48	Aqua
FLIRV02Y	2-fiber 10Gig™ 150 50/125µm (OM2+) multimode riser rated interconnect cable; 2.9mm dia., zip-cord.	2	Aqua
FLIRV04Y	4-fiber 10Gig™ 150 50/125µm (OM2+) multimode riser rated interconnect cable.	4	Aqua
FLDRV06Y	6-fiber 10Gig™ 150 50/125µm (OM2+) multimode riser rated distribution cable.	6	Aqua
FLDRV08Y	8-fiber 10Gig™ 150 50/125µm (OM2+) multimode riser rated distribution cable.	8	Aqua
FLDRV12Y	12-fiber 10Gig™ 150 50/125µm (OM2+) multimode riser rated distribution cable.	12	Aqua
FLDRV24Y	24-fiber 10Gig™ 150 50/125µm (OM2+) multimode riser rated distribution cable.	24	Aqua
FLDRV36Y	36-fiber 10Gig™ 150 50/125µm (OM2+) multimode riser rated distribution cable.	36	Aqua
FLDRV48Y	48-fiber 10Gig™ 150 50/125µm (OM2+) multimode riser rated distribution cable.	48	Aqua
FLIR502Y	2-fiber 50/125µm (OM2) multimode riser rated interconnect cable; 2.9mm dia., zip-cord.	2	Orange
FLIR504Y	4-fiber 50/125µm (OM2) multimode riser rated interconnect cable.	4	Orange
FLDR506Y	6-fiber 50/125µm (OM2) multimode riser rated distribution cable.	6	Orange
FLDR508Y	8-fiber 50/125µm (OM2) multimode riser rated distribution cable.	8	Orange
FLDR512Y	12-fiber 50/125µm (OM2) multimode riser rated distribution cable.	12	Orange
FLDR524Y	24-fiber 50/125µm (OM2) multimode riser rated distribution cable.	24	Orange
FLDR536Y	36-fiber 50/125µm (OM2) multimode riser rated distribution cable.	36	Orange
FLDR548Y	48-fiber 50/125µm (OM2) multimode riser rated distribution cable.	48	Orange
FLIR602Y	2-fiber 62.5/125µm (OM1) multimode riser rated interconnect cable; 2.9mm dia., zip-cord.	2	Orange
FLIR604Y	4-fiber 62.5/125µm (OM1) multimode riser rated interconnect cable.	4	Orange
FLDR606Y	6-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	6	Orange
FLDR608Y	8-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	8	Orange
FLDR612Y	12-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	12	Orange
FLDR624Y	24-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	24	Orange
FLDR636Y	36-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	36	Orange
FLDR648Y	48-fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	48	Orange
Opti-Core™ Riser Indoor Cable (OFNR) – Singlemode			
FLIRZ02Y	2-fiber 10Gig™ 550 50/125µm (OM4) multimode riser rated interconnect cable.	48	Orange
FLIRZ04Y	4-fiber 10Gig™ 550 50/125µm (OM4) multimode riser rated interconnect cable.	4	Aqua
FLIR902Y	2-fiber 9/125µm (OS1) singlemode riser rated interconnect cable; 2.9mm dia., zip-cord.	2	Yellow
FLIR904Y	4-fiber 9/125µm (OS1) singlemode riser rated interconnect cable.	4	Yellow
FLDR906Y	6-fiber 9/125µm (OS1) singlemode riser rated distribution cable.	6	Yellow
FLDR908Y	8-fiber 9/125µm (OS1) singlemode riser rated distribution cable.	8	Yellow
FLDR912Y	12-fiber 9/125µm (OS1) singlemode riser rated distribution cable.	12	Yellow
FLDR924Y	24-fiber 9/125µm (OS1) singlemode riser rated distribution cable.	24	Yellow
FLDR936Y	36-fiber 9/125µm (OS1) singlemode riser rated distribution cable.	36	Yellow
FLDR948Y	48-fiber 9/125µm (OS1) singlemode riser rated distribution cable.	48	Yellow

Panduit™ Opti-Core™ Fiber Optic Indoor Cable

Part Number	Part Description	Fiber Count	Color
Opti-Core™ Low Smoke Zero Halogen Indoor Cable (LSZH) — Multimode			
FLILZ02Y	2-fiber 10Gig™ 550 50/125µm (OM4) multimode low smoke zero halogen rated interconnect cable.	2	Aqua
FLILZ04Y	4-fiber 10Gig™ 550 50/125µm (OM4) multimode low smoke zero halogen rated interconnect cable.	4	Aqua
FLDLZ06Y	6-fiber 10Gig™ 550 50/125µm (OM4) multimode low smoke zero halogen rated distribution cable.	6	Aqua
FLDLZ08Y	8-fiber 10Gig™ 550 50/125µm (OM4) multimode low smoke zero halogen rated distribution cable.	8	Aqua
FLDLZ12Y	12-fiber 10Gig™ 550 50/125µm (OM4) multimode low smoke zero halogen rated distribution cable.	12	Aqua
FLDLZ24Y	24-fiber 10Gig™ 550 50/125µm (OM4) multimode low smoke zero halogen rated distribution cable.	24	Aqua
FLDLZ36Y	36-fiber 10Gig™ 550 50/125µm (OM4) multimode low smoke zero halogen rated distribution cable.	36	Aqua
FLDLZ48Y	48-fiber 10Gig™ 550 50/125µm (OM4) multimode low smoke zero halogen rated distribution cable.	48	Aqua
FLILX02Y	2-fiber 10Gig™ 300 50/125µm (OM3) multimode low smoke zero halogen rated interconnect cable; 2.9mm dia., zip-cord.	2	Aqua
FLILX04Y	4-fiber 10Gig™ 300 50/125µm (OM3) multimode low smoke zero halogen rated interconnect cable.	4	Aqua
FLDLX06Y	6-fiber 10Gig™ 300 50/125µm (OM3) multimode low smoke zero halogen rated distribution cable.	6	Aqua
FLDLX08Y	8-fiber 10Gig™ 300 50/125µm (OM3) multimode low smoke zero halogen rated distribution cable.	8	Aqua
FLDLX12Y	12-fiber 10Gig™ 300 50/125µm (OM3) multimode low smoke zero halogen rated distribution cable.	12	Aqua
FLDLX24Y	24-fiber 10Gig™ 300 50/125µm (OM3) multimode low smoke zero halogen rated distribution cable.	24	Aqua
FLDLX36Y	36-fiber 10Gig™ 300 50/125µm (OM3) multimode low smoke zero halogen rated distribution cable.	36	Aqua
FLDLX48Y	48-fiber 10Gig™ 300 50/125µm (OM3) multimode low smoke zero halogen rated distribution cable.	48	Aqua
FLILV02Y	2-fiber 10Gig™ 150 50/125µm (OM2+) multimode low smoke zero halogen rated interconnect cable; 2.9mm dia., zip-cord.	2	Aqua
FLILV04Y	4-fiber 10Gig™ 150 50/125µm (OM2+) multimode low smoke zero halogen rated interconnect cable.	4	Aqua
FLDLV06Y	6-fiber 10Gig™ 150 50/125µm (OM2+) multimode low smoke zero halogen rated distribution cable.	6	Aqua
FLDLV08Y	8-fiber 10Gig™ 150 50/125µm (OM2+) multimode low smoke zero halogen rated distribution cable.	8	Aqua
FLDLV12Y	12-fiber 10Gig™ 150 50/125µm (OM2+) multimode low smoke zero halogen rated distribution cable.	12	Aqua
FLDLV24Y	24-fiber 10Gig™ 150 50/125µm (OM2+) multimode low smoke zero halogen rated distribution cable.	24	Aqua
FLDLV36Y	36-fiber 10Gig™ 150 50/125µm (OM2+) multimode low smoke zero halogen rated distribution cable.	36	Aqua
FLDLV48Y	48-fiber 10Gig™ 150 50/125µm (OM2+) multimode low smoke zero halogen rated distribution cable.	48	Aqua
FLIL502Y	2-fiber 50/125µm (OM2) multimode low smoke zero halogen interconnect cable; 2.9mm dia., zip-cord.	2	Orange
FLIL504Y	4-fiber 50/125µm (OM2) multimode low smoke zero halogen interconnect cable.	4	Orange
FLDL506Y	6-fiber 50/125µm (OM2) multimode low smoke zero halogen rated distribution cable.	6	Orange
FLDL508Y	8-fiber 50/125µm (OM2) multimode low smoke zero halogen rated distribution cable.	8	Orange
FLDL512Y	12-fiber 50/125µm (OM2) multimode low smoke zero halogen rated distribution cable.	12	Orange
FLDL524Y	24-fiber 50/125µm (OM2) multimode low smoke zero halogen rated distribution cable.	24	Orange
FLDL548Y	48-fiber 50/125µm (OM2) multimode low smoke zero halogen rated distribution cable.	48	Orange
FLIL602Y	2-fiber 62.5/125µm (OM1) multimode low smoke zero halogen interconnect cable; 2.9mm dia., zip-cord.	2	Orange
FLIL604Y	4-fiber 62.5/125µm (OM1) multimode low smoke zero halogen interconnect cable.	4	Orange
FLDL606Y	6-fiber 62.5/125µm (OM1) multimode low smoke zero halogen rated distribution cable.	6	Orange
FLDL608Y	8-fiber 62.5/125µm (OM1) multimode low smoke zero halogen rated distribution cable.	8	Orange
FLDL612Y	12-fiber 62.5/125µm (OM1) multimode low smoke zero halogen rated distribution cable.	12	Orange
FLDL624Y	24-fiber 62.5/125µm (OM1) multimode low smoke zero halogen rated distribution cable.	24	Orange
FLDL636Y	36-fiber 62.5/125µm (OM1) multimode low smoke zero halogen rated distribution cable.	36	Orange
FLDL648Y	48-fiber 62.5/125µm (OM1) multimode low smoke zero halogen rated distribution cable.	48	Orange
Opti-Core™ Low Smoke Zero Halogen Indoor Cable (LSZH) – Singlemode			
FLIL902Y	2-fiber 9/125µm (OS1) singlemode low smoke zero halogen rated interconnect cable; 2.9mm dia., zip-cord.	2	Yellow
FLIL904Y	4-fiber 9/125µm (OS1) singlemode low smoke zero halogen rated interconnect cable.	4	Yellow
FLDL906Y	6-fiber 9/125µm (OS1) singlemode low smoke zero halogen rated distribution cable.	6	Yellow
FLDL908Y	8-fiber 9/125µm (OS1) singlemode low smoke zero halogen rated distribution cable.	8	Yellow
FLDL912Y	12-fiber 9/125µm (OS1) singlemode low smoke zero halogen rated distribution cable.	12	Yellow
FLDL924Y	24-fiber 9/125µm (OS1) singlemode low smoke zero halogen rated distribution cable.	24	Yellow
FLDL936Y	36-fiber 9/125µm (OS1) singlemode low smoke zero halogen rated distribution cable.	36	Yellow
FLDL948Y	48-fiber 9/125µm (OS1) singlemode low smoke zero halogen rated distribution cable.	48	Yellow

Contact Customer Service for minimum order quantities, availability, and additional product configurations.

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