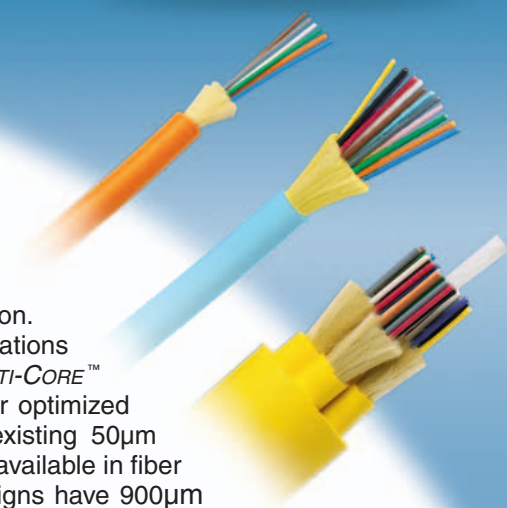


PANDUIT® OPTI-CORE™ Fiber Optic Distribution Cable

PANDUIT® OPTI-CORE™ Fiber Optic Distribution 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 Distribution Cable is used within buildings to provide high-density connectivity and ease of installation. Applications include intrabuilding backbones, routing between telecommunications rooms, and connectorized cables in riser and plenum environments. OPTI-CORE™ 10GIG™ Fiber Optic Distribution Cable features the highest quality OM3 laser optimized fiber to support 10Gb/s applications while maintaining compatibility with existing 50µm multimode systems. Standard singlemode and multimode distribution cable is available in fiber counts from 6 to 48 fibers. Distribution cable in 6 and 12 fiber stranded designs have 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.



Key Features

Benefits

Compact versatile design	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
Buffered fibers	High quality buffering offers ease of stripping while maintaining optical performance
Identification	Sheath markings provide positive identification and length verification Buffered fibers and subunits are color-coded in accordance with TIA standard for easy identification
Standard designs available	Riser (OFNR) and plenum (OFNP) rated versions Singlemode (OS1) and multimode (OM1, OM2 and OM3 laser optimized) fiber
10Gb/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
Custom design options available	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 fiber count cable provides application flexibility

Technical Information

Performance Measure	Riser	Plenum
Bend Radius	Dynamic: 20 x Cable O.D. Static: 10 x Cable O.D.	Dynamic: 20 x Cable O.D. Static: 10 x Cable O.D.
Tensile Rating (≤ 12 fibers)	Installation: 150 lb. (660 N) Long Term: 37 lb. (165 N)	Installation: 100 lb. (440 N) Long Term: 24 lb. (100 N)
Tensile Rating (≥ 12 fibers)	Installation: 1300 N (300 lb) Long Term: 330 N (74 lb)	Installation: 660 N (150 lb) Long Term: 165 N (37 lb)
Storage Temperature	-40° to 150° F (-40° to 65° C)	-40° to 150° F (-40° to 65° C)
Installation Temperature	-4° to 122° F (-20° to 50° C)	32° to 122° F (0° to 50° C)
Operation Temperature	-4° to 122° F (-20° to 50° C)	32° to 122° F (0° to 50° C)
Attenuation	Singlemode: 0.7dB/km @ 1310 & 1550nm Multimode: 3.5dB/km @ 850nm; 1.5dB/km @ 1300nm	

PANDUIT® OPTI-CORE™ Fiber Optic Distribution Cable

Ordering Information

Part Number	Part Description	Color	Std. Pkg. Qty. (ft)
OPTI-CORE™ Riser Distribution Cable (OFNR) - Multimode			
FSDR606	6 fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	Orange	8200
FSDR612	12 fiber 62.5/125µm (OM1) multimode riser rated distribution cable.	Orange	8200
FSDR624	24 fiber 62.5/125µm (OM1) multimode riser rated distribution cable; 4 subunits of 6 fibers each.	Orange	8200
FSDR636	36 fiber 62.5/125µm (OM1) multimode riser rated distribution cable; 6 subunits of 6 fibers each.	Orange	8200
FSDR648	48 fiber 62.5/125µm (OM1) multimode riser rated distribution cable; 4 subunits of 12 fibers each.	Orange	8200
FSDR506	6 fiber 50/125µm (OM2) multimode riser rated distribution cable.	Orange	8200
FSDR512	12 fiber 50/125µm (OM2) multimode riser rated distribution cable.	Orange	8200
FSDR524	24 fiber 50/125µm (OM2) multimode riser rated distribution cable; 4 subunits of 6 fibers each.	Orange	8200
FSDR536	36 fiber 50/125µm (OM2) multimode riser rated distribution cable; 6 subunits of 6 fibers each.	Orange	8200
FSDR548	48 fiber 50/125µm (OM2) multimode riser rated distribution cable; 4 subunits of 12 fibers each.	Orange	8200
FODRX06	6 fiber 10GIG™ 50/125µm (OM3) multimode riser rated distribution cable.	Aqua	8200
FODRX12	12 fiber 10GIG™ 50/125µm (OM3) multimode riser rated distribution cable.	Aqua	8200
FODRX24	24 fiber 10GIG™ 50/125µm (OM3) multimode riser rated distribution cable; 4 subunits of 6 fibers each.	Aqua	8200
FODRX36	36 fiber 10GIG™ 50/125µm (OM3) multimode riser rated distribution cable; 6 subunits of 6 fibers each.	Aqua	8200
FODRX48	48 fiber 10GIG™ 50/125µm (OM3) multimode riser rated distribution cable; 4 subunits of 12 fibers each.	Aqua	8200
OPTI-CORE™ Riser Distribution Cable (OFNR) - Singlemode			
FSDR912	12 fiber 9/125µm (OS1) singlemode riser rated distribution cable.	Yellow	8200
FSDR924	24 fiber 9/125µm (OS1) singlemode riser rated distribution cable; 4 subunits of 6 fibers each.	Yellow	8200
FSDR936	36 fiber 9/125µm (OS1) singlemode riser rated distribution cable; 6 subunits of 6 fibers each.	Yellow	8200
FSDR948	48 fiber 9/125µm (OS1) singlemode riser rated distribution cable; 4 subunits of 12 fibers each.	Yellow	8200
OPTI-CORE™ Plenum Distribution Cable (OFNP) - Multimode			
FSDP606	6 fiber 62.5/125µm (OM1) multimode plenum rated distribution cable.	Orange	8200
FSDP612	12 fiber 62.5/125µm (OM1) multimode plenum rated distribution cable.	Orange	8200
FSDP624	24 fiber 62.5/125µm (OM1) multimode plenum rated distribution cable; 4 subunits of 6 fibers each.	Orange	8200
FSDP636	36 fiber 62.5/125µm (OM1) multimode plenum rated distribution cable; 6 subunits of 6 fibers each.	Orange	8200
FSDP648	48 fiber 62.5/125µm (OM1) multimode plenum rated distribution cable; 4 subunits of 12 fibers each.	Orange	8200
FSDP506	6 fiber 50/125µm (OM2) multimode plenum rated distribution cable.	Orange	8200
FSDP512	12 fiber 50/125µm (OM2) multimode plenum rated distribution cable.	Orange	8200
FSDP524	24 fiber 50/125µm (OM2) multimode plenum rated distribution cable; 4 subunits of 6 fibers each.	Orange	8200
FSDP536	36 fiber 50/125µm (OM2) multimode plenum rated distribution cable; 6 subunits of 6 fibers each.	Orange	8200
FSDP548	48 fiber 50/125µm (OM2) multimode plenum rated distribution cable; 4 subunits of 12 fibers each.	Orange	8200
FODPX06	6 fiber 10GIG™ 50/125µm (OM3) multimode plenum rated distribution cable.	Aqua	8200
FODPX12	12 fiber 10GIG™ 50/125µm (OM3) multimode plenum rated distribution cable.	Aqua	8200
FODPX24	24 fiber 10GIG™ 50/125µm (OM3) multimode plenum rated distribution cable; 4 subunits of 6.	Aqua	8200
FODPX36	36 fiber 10GIG™ 50/125µm (OM3) multimode plenum rated distribution cable; 6 subunits of 6.	Aqua	8200
FODPX48	48 fiber 10GIG™ 50/125µm (OM3) multimode plenum rated distribution cable; 4 subunits of 12.	Aqua	8200
OPTI-CORE™ Plenum Distribution Cable (OFNP) - Singlemode			
FSDP912	12 fiber 9/125µm (OS1) singlemode plenum rated distribution cable.	Yellow	8200
FSDP924	24 fiber 9/125µm (OS1) singlemode plenum rated distribution cable; 4 subunits of 6 fibers each.	Yellow	8200
FSDP936	36 fiber 9/125µm (OS1) singlemode plenum rated distribution cable; 6 subunits of 6 fibers each.	Yellow	8200
FSDP948	48 fiber 9/125µm (OS1) singlemode plenum rated distribution cable; 4 subunits of 12 fibers each.	Yellow	8200

OPTI-CORE™ Fiber Optic Distribution Cable standard stocked length is 8200 ft (2.5km) reels. Other custom lengths and options are available that include jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, subunit counts, armoring, indoor/outdoor designs, premium optical performance grades, and ribbonized constructions. Contact Customer Service (800-777-3300) for available configurations and lead times.

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