

NEW!

Opti-Core® 10Gig™ Standard and Optimized OM4 Patch Cords and Pigtails

Panduit® Opti-Core® 10Gig™ Standard OM4 and Optimized OM4 Patch Cords and Pigtails work in conjunction with Panduit's 10Gig™ OM4 Fiber Optic High Speed Data Transport System to deliver the next progression in high performance optical connectivity and media with seamless integration of 10 Gb/s Ethernet and 8 Gb/s Fiber Channel network capability. This scalable solution is designed to deploy long channels and/or cascaded connectivity (cross-connects) with ample headroom. These high performance 10Gig™ OM4 Patch Cords and Pigtails are the optimum solution for demanding high-density fiber optic data center applications with minimal physical infrastructure risk. Panduit OM4 Patch Cords and Pigtails minimize the cost of ownership and provide a future-proof network migration path. Opti-Core® 10Gig™ OM4 Patch Cords are available with LC and SC connector combinations. Patch cord fiber options include 1.6mm and 3mm duplex jacketed cable and simplex pigtail 900 micron tight-buffered fiber in 1 – 10, 15, 20, 25 and 30 meter lengths.



Key Features

Benefits

Laser optimized 50µm multimode fiber	Extended reach capability to support longer channels, increased headroom performance, and more complex infrastructure architecture, provides high reliability and design flexibility
Factory terminated and 100% tested	Patch cords are pre-terminated and tested to support transmission speeds up to 10 Gb/s for link lengths up to 550 meters with an 850nm source per IEEE 802.3 10 GbE Standard for ensured performance and rapid deployment
OFNP or OFNR rated	Available in plenum or riser flame ratings for increased flexibility in design options
Flame retardant	Highest quality flame retardant fiber optic cable with tight-buffered coating on each optical fiber
LC and SC connector housing and boot colors follow TIA/EIA-568-C.3 suggested color identification scheme	Provides easy identification
Test data	Provides lifetime traceability
Incorporates highest tolerance ceramic ferrule	Provides reliable optical performance over repeated connector mating

Technical Information

Certified	Patch cords are certified to support network transmission speeds up to 10 Gigabits per second for link lengths up to 550 meters with an 850nm source per IEEE 802.3ae 10GbE Standards
TIA/EIA-568-B.3 performance	Meets or exceeds TIA/EIA-568-B.3 performance requirements
Insertion loss for standard patch cords	Insertion loss per connection for standard OM4 offering: < 0.25dB
Insertion loss for optimized patch cords	Insertion loss per connection for optimized OM4 offering: < 0.15dB
Insertion loss data	Insertion loss data recorded for every multimode patch cord

Panduit® Opti-Core® 10Gig™ Standard and Optimized OM4 Patch Cords and Pigtails

Part Number	Description	Length (M) [^]	Std. Pkg. Qty.	Std. Ctn. Qty.
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Standard OM4 Patch Cords

FZE10-10M1	LC to LC, standard OM4, 50/125µm, 0.25dB IL loss, Duplex, Riser, 1.6mm jacketed cable, 1M.	1	1	10
FZF10-10M1	LC to LC, standard OM4, 50.125 um, 0.25dB IL loss, Simplex, Riser, 1.6mm jacketed cable, 1M.	1	1	10
FZD3-3M1	SC to SC, standard OM4, 50/125µm, 0.25dB IL loss, Duplex, Riser, 3.0mm jacketed cable, 1M.	1	1	10
FZS3-3M1	SC to SC, standard OM4, 50/125µm, 0.25dB IL loss, Simplex, Riser, 3.0mm jacketed cable, 1M.	1	1	10
FZE3-10M1	SC to LC, standard OM4, 50/125µm, 0.25dB IL loss, Duplex, Riser, 1.6mm jacketed cable, 1M.	1	1	10

Standard OM4 Pigtails

FZB10-NM1*	LC to pigtail, standard OM4, 0.25dB IL Loss, Simplex pigtails, 900µm buffered fiber, 1M.	1	1	10
FZB3-NM1*	SC to pigtail, standard OM4, 0.25dB IL loss, Simplex pigtails, 900µm buffered fiber, 1M.	1	1	10

Optimized OM4 Patch Cords

FZOE10-10M1	LC to LC, optimized OM4, 50/125µm, 0.15dB IL loss, Duplex, Riser, 1.6mm jacketed cable, 1M.	1	1	10
FZOF10-10M1	LC to LC, optimized OM4, 50/125µm, 0.15dB IL loss, Simplex, Riser, 1.6mm jacketed cable, 1M.	1	1	10
FZOD3-3M1	SC to SC, optimized OM4, 50/125µm, 0.15dB IL loss, Duplex, Riser, 3.0mm jacketed cable, 1M.	1	1	10
FZOS3-3M1	SC to SC, optimized OM4, 50/125µm, 0.15dB IL loss, Simplex, Riser, 3.0mm jacketed cable, 1M.	1	1	10
FZOE3-10M1	SC to LC, optimized OM4, 50/125µm, 0.15dB IL loss, Duplex, Riser, 1.6mm jacketed cable, 1M.	1	1	10

Optimized OM4 Pigtails

FZOB10-NM1*	LC to pigtail, optimized OM4, 0.15dB IL loss, Simplex pigtails, 900µm buffered fiber, 1M.	1	1	10
FZOB3-NM1	SC to pigtail, optimized OM4, 0.15dB IL loss, Simplex pigtails, 900µm buffered fiber, 1M.	1	1	10

[^]Additional lengths and availability: Patch cords and pigtails are available in 1 – 10, 15, 20, 25 and 30 meter lengths. To order lengths other than 1 meter, replace the 1 suffix in the part number (FZE10-10M1) with the desired length (FZE10-10M2 for 2 meter length). Patch cords and pigtails in 1 – 10, 15, 20, 25 and 30 meter lengths are stock items. For other lengths, contact Customer Service for actual lead times.

*Available in riser (OFNR) and plenum (OFNP) flame ratings; part numbers listed are for OFNR (FZE10-10M1). For OFNP, place a P after the Z in the part number (FZPE10-10M1).

Related Products



MTP Assemblies (Interconnect)



QuickNet™ OptiCom® Cassettes



QuickNet™ SFQ Cassettes



QuickNet™ HD SFQ Cassettes



'Traditional' Trunk Assemblies (LC)



QuickNet™ Trunk Assemblies (MTP)



QuickNet™ Hydra Assemblies (MTP)



Fiber Cable Product Line

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: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Jalisco, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

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: 800-777-3300 and reference FBCB36

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