

40Gig™ QSFP+ Active Optical Cable Assemblies

Low Latency 40Gb/s Fiber Optic Interconnect Solution for Leaf to Spine Switching and Top of Rack Applications

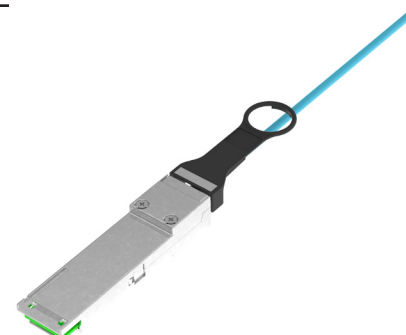
PANDUIT[®]
SPECIFICATION SHEET

specifications

As virtualization, consolidation, and convergence initiatives continue to grow, so do the demands placed on the physical infrastructure. To meet the needs for faster processing speeds, server inter-connect and I/O consolidation deployments, Panduit offers 40Gig™ QSFP+ Active Optical Cable Assemblies.

The QSFP+ Active Optical Cable Assemblies are constructed with a 3.0mm 8-fiber round unitary cable available in PVC rated jacket materials. These cords are available in OM3 multimode fiber type with high performance insertion loss essential for today's high-speed systems requiring very low connector insertion loss. QSFP+ 40Gig™ cable assemblies provide four channels of 10 Gb/s in one cost effective interface that offers up to four times the density of SFP+ 10Gig™ cable assemblies.

End-to-end high-speed data transport systems from Panduit deliver enhanced availability, agility, and security. Visit www.panduit.com to learn more about how these solutions help customers manage risk across the physical infrastructure.



key features benefits

100% performance tested	Confidence that each assembly delivers specified performance for ensured network availability
Compliant to SFF-8636, SFF-8661, and SFF-8679	Ensuring 40 Gb/s performance when mated to any SFF-8636 QSFP+ compliant host port
Robust construction	Multimode fiber cable, factory terminated to QSFP+ 40 Gb/s hot pluggable modular connectors; rated to a minimum 50 mating cycles
Low latency performance	Ideal for high performance computer clustering and other latency sensitive applications
Low power active circuitry	Provides a low cost interconnect alternative to optical transceivers that can be driven off the existing port power
Low profile	Robust easy-to-use connector latching feature allows easy installation in traditional and belly-to-belly high density installations
Small diameter cable design	Enables proper cable management and improved air flow
Built-in strain relief	Ensures proper bend radius control for reliable deployment
Variety of lengths	Available 1 to 30 meters for design flexibility

technical information

Characteristic impedance:	100 +/- 10 Ω
Temperature range:	0°C to 70°C (32°F to 158°F)
IEC flame compliance:	IEC 60332, 60333, 60324
Bend radius:	5 x O.D. single time, 10 x O.D. repeated times; O.D. – 3.0mm
Insertion force to cage:	18N (4 lbf.) maximum
Withdrawal force from cage:	12.5N (2.8 lbf.) maximum
Retention force:	90N (20 lbf.) minimum
ROHS status:	Compliant

key applications include

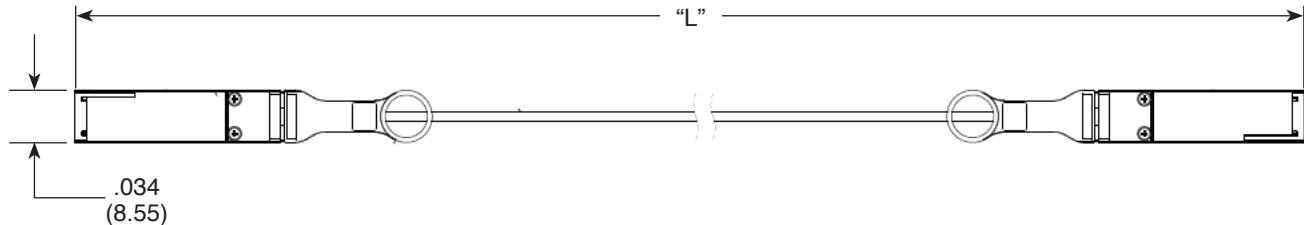
- Leaf to Spine Switching
- I/O Consolidation
- Fibre Channel Over Ethernet (FCOE)
- 10Gig™ and 40Gig™ Ethernet
- High Performance Computer Clustering

40Gig™ QSFP+ Active Optical Cable Assemblies

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ordering information

Part Number	Length (m)	Length (Ft.)	Fiber Type	Jacket
AX83NQPQPAQM001	1	3.3	OM3	PVC
AX83NQPQPAQM002	2	6.6	OM3	PVC
AX83NQPQPAQM003	3	9.8	OM3	PVC
AX83NQPQPAQM005	5	16.4	OM3	PVC
AX83NQPQPAQM007	7	23.0	OM3	PVC
AX83NQPQPAQM010	10	32.8	OM3	PVC
AX83NQPQPAQM015	15	49.2	OM3	PVC
AX83NQPQPAQM020	20	65.6	OM3	PVC
AX83NQPQPAQM025	25	82.0	OM3	PVC
AX83NQPQPAQM030	30	98.4	OM3	PVC



Dimensions are in inches. (Dimensions in parenthesis are metric).

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

For more information

Visit us at www.panduit.com
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