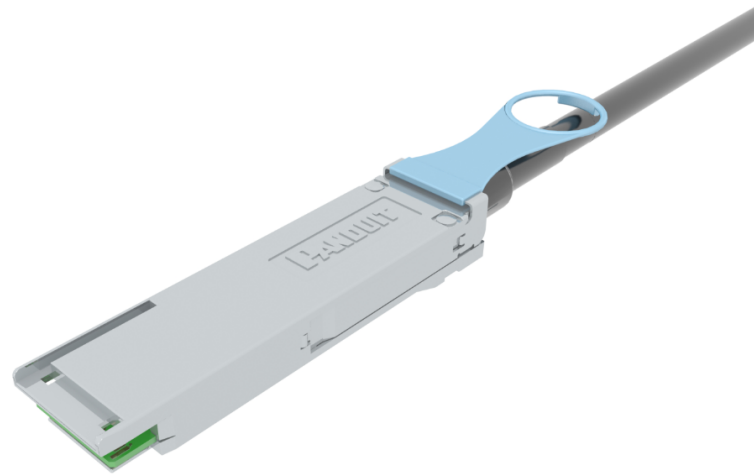


# QSFP28 Passive Direct Attach Copper (DAC) Cable Assemblies

## Low Power, Low Latency 100 Gb/s Server Interconnect Solution for Top of Rack Switching Applications

### specifications

High bandwidth interconnects are required for next generation data centers. Panduit offers QSFP28 Direct Attach Copper Cable Assemblies. These passive cables provide a cost-effective solution for interconnecting high speed 100 GbE switches and servers. This high speed data transport capability is ideal as server virtualization becomes more prevalent. With multiple virtual machines, server I/O consolidation topology requires 100 Gb/s interconnects between top of rack switches and servers. By incorporating QSFP28 Passive DAC Cable Assemblies into the physical infrastructure, businesses can achieve 100 Gigabit performance port-to-port without additional signal processing or conversion, providing a low power, low latency server interconnect for top of rack switching applications.



### technical information

<b>Characteristic impedance:</b>	100 +/- 10 Ohm
<b>Temperature range:</b>	-25°C to 80°C (-13°F to 176°F)
<b>Bend radius:</b>	5 x O.D. single time 10 x O.D. repeated times
<b>Insertion force to cage:</b>	40 N maximum
<b>Withdrawal force from cage:</b>	30 N maximum
<b>Retention force:</b>	90 – 170 N (20 – 38 lbf.)
<b>ROHS status:</b>	Compliant

### key features and benefits

<b>100% performance tested</b>	Confidence that each assembly delivers specified performance for ensure network availability
<b>High Density</b>	Can be used in place of four SFP28 Direct Attach Cables tripling switch port density
<b>Low latency performance</b>	Ideal for high performance computer clustering and other latency sensitive applications
<b>Passive low power assembly</b>	Provides a low cost short reach interconnect option with no additional power draw
<b>Low profile</b>	Robust easy-to-use connector latching feature allows easy installation in belly-to-belly high density installations
<b>Small diameter cable design</b>	Enables proper cable management and improved airflow
<b>Built-in strain relief</b>	Ensures proper bend radius control for reliable deployment
<b>Variety of lengths</b>	1 to 5 meters (1 meter increments) for design flexibility and optimum airflow

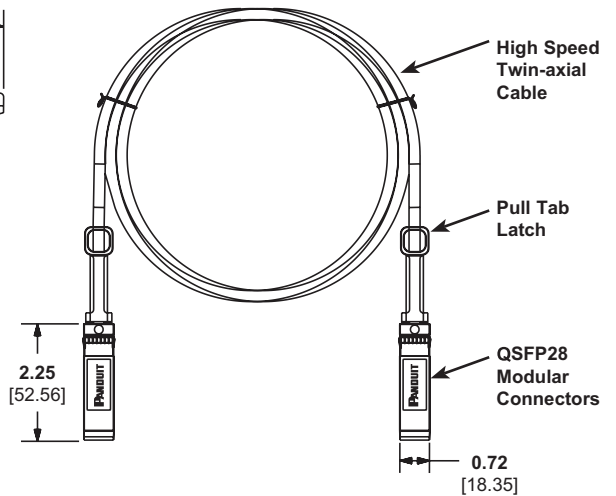
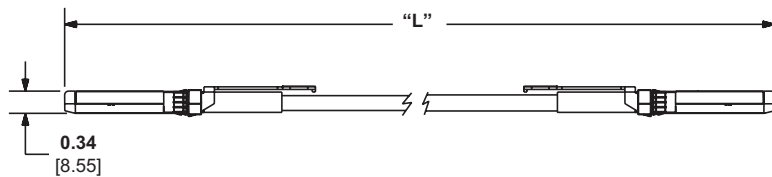
### applications

- Top of Rack Switching
- Fiber Channel Over Ethernet (FCOE)
- 100 Gigabit Ethernet
- High Performance Computer Clustering

# QSFP28 Passive Direct Attach Copper (DAC) Cable Assemblies

## ordering information

Part Number	Length (m)	Length (Ft.)	Cable Gauge	Nominal Cable O.D.		Cable Jacket
				mm	Inches	
PQSF2PXA1MBL	1	3.3	30 AWG	6.1	0.240	PVC
PQSF2PXA2MBL	2	6.6	30 AWG	6.1	0.240	PVC
PQSF2PXA3MBL	3	9.8	30 AWG	6.1	0.240	PVC
PQSF2PXC4MBL	4	13.1	26 AWG	8.7	0.343	PVC
PQSF2PXC5MBL	5	16.4	26 AWG	8.7	0.343	PVC



Dimensions are in inches. [Dimensions in brackets are metric].

### WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA  
Phone: 800.777.3300

PANDUIT EUROPE LTD.  
London, UK  
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.  
Republic of Singapore  
Phone: 65.6305.7575

PANDUIT JAPAN  
Tokyo, Japan  
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA  
Guadalajara, Mexico  
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.  
Victoria, Australia  
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to [www.panduit.com/warranty](http://www.panduit.com/warranty)

**PANDUIT**®

For more information  
Visit us at [www.panduit.com](http://www.panduit.com)  
Contact Customer Service by email: [cs@panduit.com](mailto:cs@panduit.com)  
or by phone: 800.777.3300

© 2020 Panduit Corp.  
ALL RIGHTS RESERVED.  
Printed in the U.S.A.  
COSP482--WW-ENG  
01/2020