

Overview

HPE 25Gb and 100Gb Cables

Models

HPE 25Gb SFP28 to SFP28 0.5m Direct Attach Copper Cable	844471-B21
HPE 25Gb SFP28 to SFP28 1m Direct Attach Copper Cable	844474-B21
HPE 25Gb SFP28 to SFP28 3m Direct Attach Copper Cable	844477-B21
HPE 25Gb SFP28 to SFP28 5m Direct Attach Copper Cable	844480-B21
HPE 100Gb QSFP28 to QSFP28 0.5m Direct Attach Copper Cable	845402-B21
HPE 100Gb QSFP28 to QSFP28 1m Direct Attach Copper Cable	845404-B21
HPE 100Gb QSFP28 to QSFP28 3m Direct Attach Copper Cable	845406-B21
HPE 100Gb QSFP28 to QSFP28 5m Direct Attach Copper Cable	845408-B21
HPE 100Gb QSFP28 to 4x25Gb SFP28 3m Direct Attach Copper Cable	845416-B21
HPE 100Gb QSFP28 to 4x25Gb SFP28 5m Direct Attach Copper Cable	845418-B21

Technical Specifications

HPE 25Gb SFP28 to SFP28 0.5m Direct Attach Copper Cable (844471-B21)	Connectivity	Length	1.64 ft. (0.5 m)	
	Physical characteristics	Weight	.11 lb. Fully loaded the cable with a SFP28 transceiver at each end of the cable	
		Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
			Operating relative humidity	5% to 85%, noncondensing
			Nonoperating/Storage temperature	-4°F to 185°F (-20°C to 85°C)
	Electrical characteristics	Nonoperating/Storage relative humidity	0% to 85%, noncondensing	
		Altitude	up to 10,000 ft. (3 km)	
		Power consumption	0.1 watts maximum	
	Notes	Electrical Properties		
		<ul style="list-style-type: none"> Cable Characteristic Impedance: 90-110 Ω Time delay: 4.5 ns/m 		
Services	Physical Properties			
	<ul style="list-style-type: none"> Cable Diameter: 4.5 +/-0.2 mm Minimum Cable Bend Radius: Single bend: 23mm; Repeated bend: 45mm 			
Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/ bladesystem for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.				

HPE 25Gb SFP28 to SFP28 1m Direct Attach Copper Cable (844474-B21)	Connectivity	Length	3.28 ft. (1 m)	
	Physical characteristics	Weight	.15 lb. Fully loaded the cable with a SFP28 transceiver at each end of the cable	
		Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
			Operating relative humidity	5% to 85%, noncondensing
			Nonoperating/Storage temperature	-4°F to 185°F (-20°C to 85°C)
	Electrical characteristics	Nonoperating/Storage relative humidity	0% to 85%, noncondensing	
		Altitude	up to 10,000 ft. (3 km)	
		Power consumption	0.1 watts maximum	

Technical Specifications

Notes	<p>Electrical Properties</p> <ul style="list-style-type: none"> Cable Characteristic Impedance: 90-110 Ω Time delay: 4.5 ns/m <p>Physical Properties</p> <ul style="list-style-type: none"> Cable Diameter: 4.5 +/-0.2 mm Minimum Cable Bend Radius: Single bend: 23mm; Repeated bend: 45mm
Services	<p>Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/bladesystem for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.</p>

HPE 25Gb SFP28 to SFP28 3m Direct Attach Copper Cable (844477-B21)	Connectivity	Length	9.84 ft. (3 m)	
	Physical characteristics	Weight	.30 lb. Fully loaded the cable with a SFP28 transceiver at each end of the cable	
	Environment	Operating temperature	32°F to 158°F (0°C to 70°C)	
		Operating relative humidity	5% to 85%, noncondensing	
		Nonoperating/Storage temperature	-4°F to 185°F (-20°C to 85°C)	
		Nonoperating/Storage relative humidity	0% to 85%, noncondensing	
Altitude	up to 10,000 ft. (3 km)			
Electrical characteristics	Power consumption	0.1 watts maximum		
Notes	<p>Electrical Properties</p> <ul style="list-style-type: none"> Cable Characteristic Impedance: 90-110 Ω Time delay: 4.5 ns/m <p>Physical Properties</p> <ul style="list-style-type: none"> Cable Diameter: 4.5 +/-0.2 mm Minimum Cable Bend Radius: Single bend: 23mm; Repeated bend: 45mm 			
Services	<p>Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/bladesystem for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.</p>			

HPE 25Gb SFP28 to SFP28 5m Direct Attach Copper Cable (844480-B21)	Connectivity	Length	16.4 ft. (5 m)
	Physical characteristics	Weight	.46 lb. Fully loaded the cable with a SFP28 transceiver at each end of the cable
	Environment	Operating temperature	32°F to 158°F (0°C to 70°C)

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Operating relative humidity	5% to 85%, noncondensing
Nonoperating/Storage temperature	-4°F to 185°F (-20°C to 85°C)
Nonoperating/Storage relative humidity	0% to 85%, noncondensing
Altitude	up to 10,000 ft. (3 km)

Electrical characteristics

Power consumption	0.1 watts maximum
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Notes

Electrical Properties

- Cable Characteristic Impedance: 90-110 Ω Time delay: 4.5 ns/m

Physical Properties

- Cable Diameter: 4.5 +/-0.2 mm
- Minimum Cable Bend Radius: Single bend: 23mm; Repeated bend: 45mm

Services

Refer to the Hewlett Packard Enterprise website at:

<http://www.hp.com/services/bladeSystem> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE 100Gb QSFP28 to QSFP28 0.5m Direct Attach Copper Cable (845402-B21)	Connectivity	Length	1.64 ft. (0.5 m)
	Physical characteristics	Weight	.21 lb. Fully loaded the cable with a QSFP28 transceiver at each end of the cable

Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
	Operating relative humidity	5% to 85%, noncondensing
	Nonoperating/Storage temperature	-4°F to 185°F (-20°C to 85°C)
	Nonoperating/Storage relative humidity	0% to 85%, noncondensing
	Altitude	up to 10,000 ft. (3 km)

Electrical characteristics

Power consumption	0.1 watts maximum
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Notes

Electrical Properties

- Cable Characteristic Impedance: 110 Ω (Max) Time delay: 4.5 ns/m

Physical Properties

- Cable Diameter: 8.8 +/-0.3 mm
- Minimum Cable Bend Radius: 45mm

Services

Refer to the Hewlett Packard Enterprise website at:

<http://www.hp.com/services/bladeSystem> for details on the service-level

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descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE 100Gb QSFP28 to QSFP28 1m Direct Attach Copper Cable (845404-B21)	Connectivity	Length	3.28 ft. (1 m)	
	Physical characteristics	Weight	.27 lb. Fully loaded the cable with a QSFP28 transceiver at each end of the cable	
		Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
			Operating relative humidity	5% to 85%, noncondensing
			Nonoperating/Storage temperature	-4°F to 185°F (-20°C to 85°C)
			Nonoperating/Storage relative humidity	0% to 85%, noncondensing
	Altitude	up to 10,000 ft. (3 km)		
	Electrical characteristics	Power consumption	0.1 watts maximum	
	Notes	Electrical Properties		
		<ul style="list-style-type: none"> Cable Characteristic Impedance: 110 Ω(Max) Time delay: 4.5 ns/m 		
Services	Physical Properties			
	<ul style="list-style-type: none"> Cable Diameter: 8.8 +/-0.3 mm Minimum Cable Bend Radius: 45mm 			
<p>Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/bladesystem for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.</p>				

HPE 100Gb QSFP28 to QSFP28 3m Direct Attach Copper Cable (845406-B21)	Connectivity	Length	9.84 ft. (3 m)	
	Physical characteristics	Weight	.66 lb. Fully loaded the cable with a QSFP28 transceiver at each end of the cable	
		Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
			Operating relative humidity	5% to 85%, noncondensing
			Nonoperating/Storage temperature	-4°F to 185°F (-20°C to 85°C)
			Nonoperating/Storage relative humidity	0% to 85%, noncondensing
	Altitude	up to 10,000 ft. (3 km)		
	Electrical	Power consumption	0.1 watts maximum	

Technical Specifications

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Notes

Electrical Properties

- Cable Characteristic Impedance: 110 Ω (Max) Time delay: 4.5 ns/m

Physical Properties

- Cable Diameter: 8.8 +/-0.3 mm
- Minimum Cable Bend Radius: 45mm

Services

Refer to the Hewlett Packard Enterprise website at:

<http://www.hp.com/services/ bladesystem> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE 100Gb QSFP28 to QSFP28 5m Direct Attach Copper Cable (845408-B21)	Connectivity	Length	16.4 ft. (5 m)	
	Physical characteristics	Weight	1.15 lb. Fully loaded the cable with a QSFP28 transceiver at each end of the cable	
		Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
			Operating relative humidity	5% to 85%, noncondensing
			Nonoperating/Storage temperature	-4°F to 185°F (-20°C to 85°C)
			Nonoperating/Storage relative humidity	0% to 85%, noncondensing
			Altitude	up to 10,000 ft. (3 km)
Electrical characteristics		Power consumption	0.1 watts maximum	
Notes	Electrical Properties			
	<ul style="list-style-type: none"> • Cable Characteristic Impedance: 110 Ω(Max) Time delay: 4.5 ns/m 			
	Physical Properties			
	<ul style="list-style-type: none"> • Cable Diameter: 8.8 +/-0.3 mm • Minimum Cable Bend Radius: 45mm 			
Services	Refer to the Hewlett Packard Enterprise website at:			
	http://www.hp.com/services/ bladesystem for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.			

HPE 100Gb QSFP28 to 4x25Gb SFP28 3m Direct Attach Copper Cable (845416-B21)	Connectivity	Length	9.84 ft. (3 m)
	Physical characteristics	Weight	1.26 lb. Fully loaded the cable with a QSFP28 transceiver at one end and four SFP28 transceivers at the other end

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Environment	Operating temperature	32°F to 158°F (0°C to 70°C)
	Operating relative humidity	5% to 85%, noncondensing
	Nonoperating/Storage temperature	-4°F to 185°F (-20°C to 85°C)
	Nonoperating/Storage relative humidity	0% to 85%, noncondensing
	Altitude	up to 10,000 ft. (3 km)
Electrical characteristics	Power consumption	0.1 watts maximum
Notes	Electrical Properties <ul style="list-style-type: none"> Cable Characteristic Impedance: 110 Ω(Max) Time delay: 4.5 ns/m Physical Properties <ul style="list-style-type: none"> Cable Diameter: 8.8 \pm 0.3 mm; 4.5 +/-0.2 mm Minimum Cable Bend Radius: 45mm 	
Services	Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/ bladesystem for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.	

HPE 100Gb QSFP28 to 4x25Gb SFP28 5m Direct Attach Copper Cable (845418-B21)	Connectivity	Length	16.4 ft. (5 m)
	Physical characteristics	Weight	1.80 lb. Fully loaded the cable with a QSFP28 transceiver at one end and four SFP28 transceivers at the other end
		Environment	Operating temperature
	Electrical characteristics	Operating relative humidity	5% to 85%, noncondensing
		Nonoperating/Storage temperature	-4°F to 185°F (-20°C to 85°C)
		Nonoperating/Storage relative humidity	0% to 85%, noncondensing
		Altitude	up to 10,000 ft. (3 km)
		Power consumption	0.1 watts maximum
	Notes	Electrical Properties <ul style="list-style-type: none"> Cable Characteristic Impedance: 110 Ω(Max) Time delay: 4.5 ns/m Physical Properties <ul style="list-style-type: none"> Cable Diameter: 8.8 \pm 0.3 mm; 4.5 +/-0.2 mm Minimum Cable Bend Radius: 45mm 	
	Services	Refer to the Hewlett Packard Enterprise website at: http://www.hp.com/services/ bladesystem for details on the service-level	

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descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

Technical Specifications

Date	Version History	Action	Description of Change
06-Jun-2015	Version 1	Changed	QuickSpecs name changed from "HPE BladeSystem c-Class 40G QSFP+ to QSFP+ Active Optical Cable" to "HPE BladeSystem c-Class 40G QSFP+ Active Optical Cables" Overview, Technical Specification sections were updated
		Added	SKUs added on models section: 721070-B21, 721073-B21, 721076-B21.



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