

### Overview

### Models

HP BLc SFP+ 0.5m 10GbE Copper Cable	487649-B21
HP BLc SFP+ 1m 10GbE Copper Cable	487652-B21
HP BLc SFP+ 3m 10GbE Copper Cable	487655-B21
HP BLc SFP+ 5m 10GbE Copper Cable	537963-B21
HP BLc SFP+ 7m 10GbE Copper Cable	487658-B21

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### Product overview

A low-price 10-Gigabit connectivity option consisting of a cable with SFP+ connectors permanently attached to each end

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### Key Features

- SFF-8431 compliant.
- Supports 10-GbE data rate operation.
- Serial data transmission.



### Technical Specifications

<b>HP BLc SFP+ 0.5m 10GbE Copper Cable (487649-B21)</b>	<b>Connectivity</b>	Length	1.64 ft. (0.5 m)
	<b>Physical characteristics</b>	Weight	.18 lb. (0.08 kg) the cable with an SFP+ transceiver at each end of the cable
		<b>Environment</b>	Operating temperature
	Operating relative humidity		5% to 95%, noncondensing
	Nonoperating/Storage temperature		14°F to 185°F (-10°C to 85°C)
	Nonoperating/Storage relative humidity		5% to 95%, noncondensing
	Altitude		up to 10,000 ft. (3 km)
	<b>Electrical characteristics</b>	Notes	0.04 watts maximum per transceiver end
	<b>Notes</b>	<b>Electrical Properties</b> <ul style="list-style-type: none"> <li>• Cable Characteristic Impedance: 100 ohms</li> <li>• Crosstalk between pairs: 2% max</li> <li>• Time delay: 1.31 nsec/ft</li> </ul>	
		<b>Physical Properties</b> <ul style="list-style-type: none"> <li>• Cable Diameter: 0.180"</li> <li>• Minimum Cable Bend Radius: 1.0"</li> </ul>	
<b>Services</b>	Refer to the HP website at <a href="http://www.hp.com/networking/services">www.hp.com/networking/services</a> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.		

<b>HP BLc SFP+ 1m 10GbE Copper Cable (487652-B21)</b>	<b>Connectivity</b>	Length	3.28 ft. (1 m)
	<b>Physical characteristics</b>	Weight	.24 lb. (0.11 kg) the cable with an SFP+ transceiver at each end of the cable
		<b>Environment</b>	Operating temperature
	Operating relative humidity		5% to 95%, noncondensing
	Nonoperating/Storage temperature		14°F to 185°F (-10°C to 85°C)
	Nonoperating/Storage relative humidity		5% to 95%, noncondensing
	Altitude		up to 10,000 ft. (3 km)
	<b>Electrical characteristics</b>	Notes	0.04 watts maximum per transceiver end
	<b>Notes</b>	<b>Electrical Properties</b> <ul style="list-style-type: none"> <li>• Cable Characteristic Impedance: 100 ohms</li> <li>• Crosstalk between pairs: 2% max</li> <li>• Time delay: 1.31 nsec/ft</li> </ul>	
		<b>Physical Properties</b> <ul style="list-style-type: none"> <li>• Cable Diameter: 0.180"</li> <li>• Minimum Cable Bend Radius: 1.0"</li> </ul>	



### Technical Specifications

<b>Services</b>	Refer to the HP website at <a href="http://www.hp.com/networking/services">www.hp.com/networking/services</a> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.
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HP BLc SFP+ 3m 10GbE Copper Cable (487655-B21)	<b>Connectivity</b>	Length	9.84 ft. (3 m)
	<b>Physical characteristics</b>	Weight	0.49 lb. (0.22 kg) the cable with an SFP+ transceiver at each end of the cable
		<b>Environment</b>	Operating temperature
	Operating relative humidity		5% to 95%, noncondensing
	Nonoperating/Storage temperature		14°F to 185°F (-10°C to 85°C)
	Nonoperating/Storage relative humidity		5% to 95%, noncondensing
	Altitude		up to 10,000 ft. (3 km)
	<b>Electrical characteristics</b>	Notes	0.04 watts maximum per transceiver end
	<b>Notes</b>	Electrical Properties	<ul style="list-style-type: none"> <li>• Cable Characteristic Impedance: 100 ohms</li> <li>• Crosstalk between pairs: 2% max</li> <li>• Time delay: 1.31 nsec/ft</li> </ul>
		Physical Properties	<ul style="list-style-type: none"> <li>• Cable Diameter: 0.180"</li> <li>• Minimum Cable Bend Radius: 1.0"</li> </ul>
<b>Services</b>	Refer to the HP website at <a href="http://www.hp.com/networking/services">www.hp.com/networking/services</a> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.		

HP BLc SFP+ 5m 10GbE Copper Cable (537963-B21)	<b>Connectivity</b>	Length	16.40 ft. (5 m)
	<b>Physical characteristics</b>	Weight	0.75 lb. (0.34 kg) the cable with an SFP+ transceiver at each end of the cable
		<b>Environment</b>	Operating temperature
	Operating relative humidity		5% to 95%, noncondensing
	Nonoperating/Storage temperature		14°F to 185°F (-10°C to 85°C)
	Nonoperating/Storage relative humidity		5% to 95%, noncondensing
	Altitude		up to 10,000 ft. (3 km)
	<b>Electrical characteristics</b>	Notes	0.04 watts maximum per transceiver end
	<b>Notes</b>	Electrical Properties	<ul style="list-style-type: none"> <li>• Cable Characteristic Impedance: 100 ohms</li> <li>• Crosstalk between pairs: 2% max</li> </ul>



### Technical Specifications

- Time delay: 1.31 nsec/ft

#### Physical Properties

- Cable Diameter: 0.180"
- Minimum Cable Bend Radius: 1.0"

#### Services

Refer to the HP website at [www.hp.com/networking/services](http://www.hp.com/networking/services) for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

HP BLc SFP+ 7m 10GbE  
Copper Cable (487658-  
B21)

#### Connectivity

Length 22.96 ft. (7 m)

#### Physical characteristics

Weight 1.01 lb. (0.46 kg) the cable with an SFP+ 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 95%, noncondensing

Nonoperating/Storage temperature 14°F to 185°F (-10°C to 85°C)

Nonoperating/Storage relative humidity 5% to 95%, noncondensing

Altitude up to 10,000 ft. (3 km)

#### Electrical characteristics

Notes 0.04 watts maximum per transceiver end

#### Notes

#### Electrical Properties

- Cable Characteristic Impedance: 100 ohms
- Crosstalk between pairs: 2% max
- Time delay: 1.31 nsec/ft

#### Physical Properties

- Cable Diameter: 0.180"
- Minimum Cable Bend Radius: 1.0"

#### Services

Refer to the HP website at [www.hp.com/networking/services](http://www.hp.com/networking/services) for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

To learn more, visit [www.hp.com/networking](http://www.hp.com/networking)

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