

# Cisco 25GBASE SFP28 Modules

## Product Overview

The Cisco® 25GBASE SFP28 (Small Form-Factor Pluggable) portfolio offers customers a wide variety of high-density and low-power 25 Gigabit Ethernet connectivity options for data center and high-performance computing networks applications. The 25G Modules are based on SFP28 form factor.



## Features and Benefits of Cisco 25G Direct Attach Cables

- Interoperable with other IEEE-compliant 25GBASE-CR interfaces where applicable
- Certified and tested on Cisco SFP28 ports for superior performance, quality, and reliability
- High-speed electrical interface compliant to IEEE 802.3by

**Table 1.** Cisco 25G Portfolio

Product	Descriptions
Cisco SFP-H25G-CU1M	25GBASE-CR1 Copper Cable 1-meter
Cisco SFP-H25G-CU2M	25GBASE-CR1 Copper Cable 2-meter
Cisco SFP-H25G-CU3M	25GBASE-CR1 Copper Cable 3-meter
Cisco SFP-H25G-CU5M	25GBASE-CR1 Copper Cable 5-meter

## Cisco SFP-H25G-CUxM

Cisco SFP28 to SFP28 copper direct-attach 25GBASE-CR1 cables are suitable for very short links and offer a highly cost-effective way to establish a 25-Gigabit link between SFP28 ports of Cisco switches within racks and across adjacent racks. Cisco currently offers passive copper cables in lengths of x=1, 2, and 3 meters.

## Technical Specifications

### Platform Support

Cisco 25G DAC Copper cables are supported on Cisco switches. For more details, refer to the document

[“Cisco 25 Gigabit Ethernet Transceiver Modules Compatibility Matrix”](#).

## Connectors and Cabling

Refer to Table 2 for connector type information and cabling specifications for each 25G product.

**Table 2.** 25G Port Cabling Specifications

Cisco SFP-25G	Cable Type	Cable Distance	Power Consumption (W)	Pull Tab Color
Cisco SFP-H25G-CU1M	Direct-attach copper cable assembly	1m	1	Beige
Cisco SFP-H25G-CU2M		2m		Brown
Cisco SFP-H25G-CU3M		3m		Orange
Cisco SFP-H25G-CU5M		5m		Gray

## Environmental Conditions

Operating temperature range:

- Commercial temperature range: 0 to 70°C (32 to 158°F)
- Storage temperature range: -40 to 85°C (-40 to 185°F)

## Warranty

- Standard warranty: 1 year

## Ordering Information

Table 4 provides the ordering information for Cisco 25G cables.

**Table 3.** Ordering Information

Description	Product Number
<b>SFP28 Direct-Attach Copper Cables</b>	
Cisco 25GBASE-CR1 SFP28 Passive Copper Cable, 1-meter	SFP-H25G-CU1M
Cisco 25GBASE-CR1 SFP28 Passive Copper Cable, 2-meter	SFP-H25G-CU2M
Cisco 25GBASE-CR1 SFP28 Passive Copper Cable, 3-meter	SFP-H25G-CU3M
Cisco 25GBASE-CR1 SFP28 Passive Copper Cable, 5-meter	SFP-H25G-CU5M

## Regulatory and Standards Compliance

### Standards:

- SFF-8402: SFP+ 28 Gb/s 1x Pluggable Transceiver Solution (SFP28) - Rev 1.0 March 30, 2014
- SFF-8472: Diagnostic Monitoring Interface for Optical Transceivers - Rev 12 August 29, 2014
- 802.3™ -2012 IEEE Standard for Ethernet
- IEEE P802.3by™/D3.0, 13th November 2015
- RoHS 6

### Safety:

- Cable jacket of SFP copper modules is UL E116441 Compliant
- SFP copper cables are ELV Compliant

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### Additional Information

For more information about Cisco 25GBASE SFP28 optics and copper modules, contact your sales representative or visit [http://www.cisco.com/en/US/products/hw/modules/ps5455/prod\\_module\\_series\\_home.html](http://www.cisco.com/en/US/products/hw/modules/ps5455/prod_module_series_home.html).



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