Revised: October 14, 2025

Cisco C9350 Series Smart Switches - Technical Specifications

Environmental and physical specifications

Environmental specifications

This section describes the environmental specifications for the Cisco C9350 switch models and power supply modules.

Table 1: Environmental specifications for the switch

Environmental ranges	
Operating temperature [1]	• -5 to 45° C (23° to 113° F) up to 6,000 feet (1,800 meters) • -5° to 40° C 23° to 104° F) up to 10,000 ft (about 3,000 meters)
Storage temperature	–40 to 167°F (–40 to 75°C)
Relative humidity	10 to 95% (non-condensing)
Operating altitude	Up to 10,000 ft (3,000 m)
Storage altitude	Up to 15,000 ft (4,500 m)

[1] Minimum ambient temperature for cold start is 32°F (0°C)

Table 2: Environmental specifications for the power supplies

Environmental ranges	
Operating temperature	23°F to 113°F (–5°C to 45°C) up to 5,000 feet (1,500m) 23°F to 104°F (–5°C to 40ºC) up to 10,000 feet (3,000m)
Storage temperature	–40 to 167°F (–40 to 75°C)
Relative humidity	10 to 95% (non-condensing)
Altitude	10,000 ft (3,000 m) up to 40°C

Physical specifications of the switch

This section describes the dimensions and weight of the switch models and power supply modules.

This table describes the physical specifications with the FAN FRUs and the power supplies installed.

Table 3: Dimensions (H x W x D) of Cisco C9350 series smart switches

Switch PID	Dimensions (H x W x D) in inches and centimeter	Weight (with the default power supply unit)
C9350-48HX	1.73 x 17.5 x 18.6 in (4.4 x 44.5 x 47.2 cm)	18.73 lb (8.5 kg)
C9350-24P	1.73 x 17.5 x 15.1 in (4.4 x 44.5 x 38.3 cm)	13.54 lb (6.14 kg)
C9350-48P	1.73 x 17.5 x 15.1 in (4.4 x 44.5 x 38.3 cm)	13.54 lb (6.14 kg)
C9350-24T	1.73 x 17.5 x 15.1 in (4.4 x 44.5 x 38.3 cm)	13.8 lb (6.26 kg)
C9350-48T	1.73 x 17.5 x 15.1 in (4.4 x 44.5 x 38.3 cm)	13.8 lb(6.26kg)
C9350-48TX	1.73 x 17.5 x 18.6 in (4.4 x 44.5 x 47.2 cm)	17.7 lb (8 kg)
C9350-24U	1.73 x 17.5 x 15.1 in (4.4 x 44.5 x 38.3 cm)	13.94 lb(6.35 kg)
C9350-48U	1.73 x 17.5 x 15.1 in (4.4 x 44.5 x 38.3 cm)	14.14 lb(6.42 kg)

Physical specifications of power supply modules

The dimensions shown include the extraction handle and the keying feature.

Power supply module	Weight	Dimensions (H x D x W)
PWR-C2-1600WAC	2.425 lb (1.09 kg)	2.18 x 1.57 x 11.81 in (5.55 x 4 x 30 cm)
PWR-C2-850WAC	1.54 lb (0.69 kg)	2.18 x 1.57 x 8.66 in (5.55 x 4 x 22 cm)
PWR-C2-500WAC	1.2 lb (0.54 kg)	2.18 x 1.57 x 8.66 in (5.55 x 4 x 22 cm)

Specifications for the power supplies and fans

Table 4: Specifications for power supply modules

Specification	Power supply		
	PWR-C2-1600WAC	**PWR-C2-850WAC**	**PWR-C2-500WAC**
Maximum output power	• 1600 W with 230 V • 1200 W with 115 V	850 W	500 W
Input voltage and frequency	• 180 V to 264 V, (1600 W) 103.5 V to 132 V (1200 W)	90 V to 264 V, 47 to 63 Hz	90 V to 264 V, 47 to 63 Hz
Input current	12.5 A (maximum)	10 A (maximum)	6 A (maximum)

Specification	Power supply		
Output ratings	• 28.57A (maximum) • 21.43A (maximum)	15.18 A (maximum)	8.93 A (maximum)
Total output BTU	• 5461 BTUs per hour for 1600 W • 4096 BTU per hour for 1200 W	2900 BTUs per hour	1706 BTU per hour

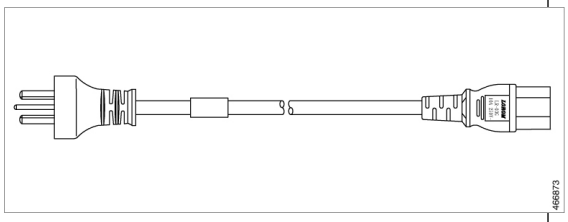
Table 5: Fan module environmental and physical specifications

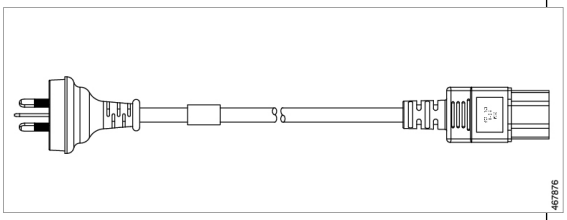
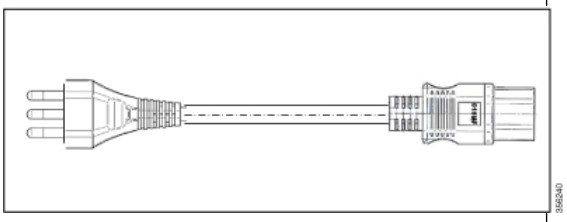
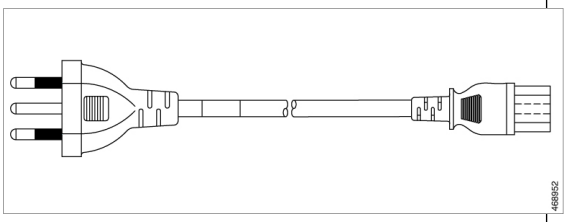
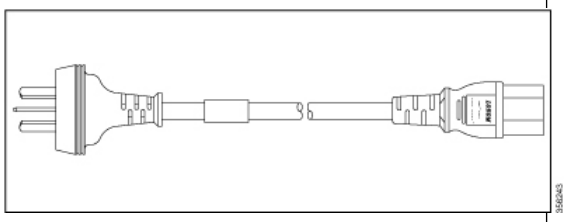
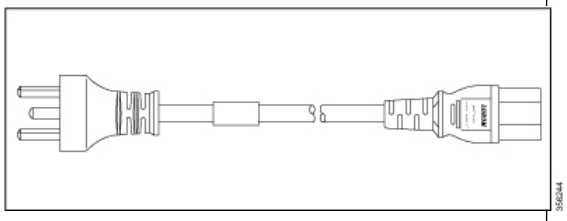
Environmental ranges	
Operating temperature	23 to 176°F (–5 to 80°C)
Storage temperature	–40 to 185°F (–40 to 85°C) up to 15,000 ft (4500 m)
Relative humidity	5 to 95% (non-condensing)
Altitude	Up to 13,000 ft (4000 m)
Physical specification	
Dimensions (H x D x W)	1.62 x 1.73 x 4.24 in. (4.11 x 4.39 x 10.76 cm)
Weight (for three fans)	0.48 lb (0.21 kg)
Operating specification	
Airflow	20 cfm

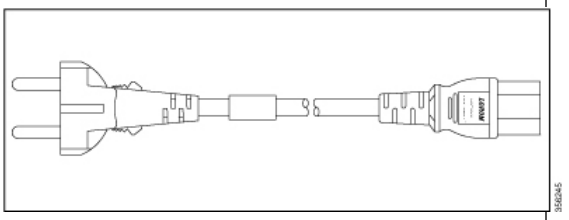
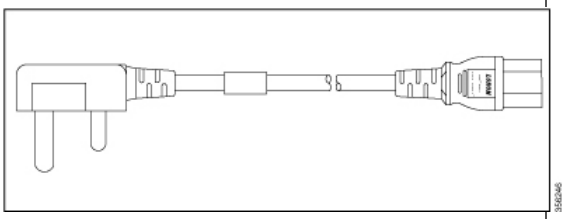
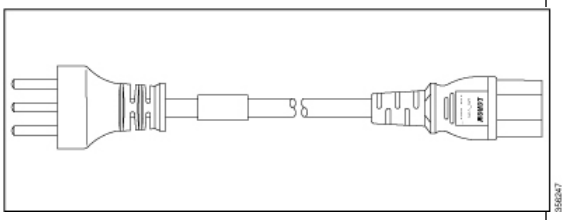
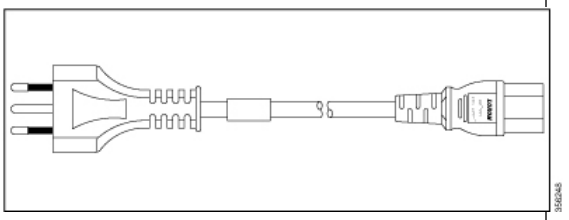
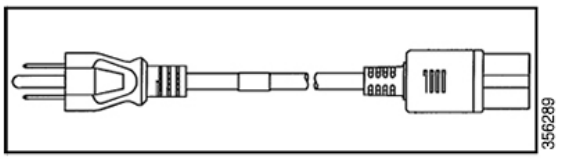
AC power cord specifications

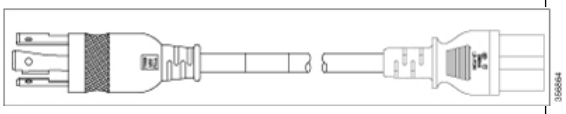
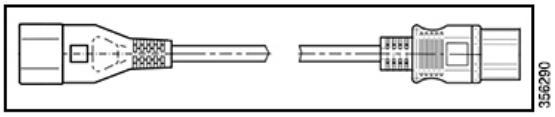
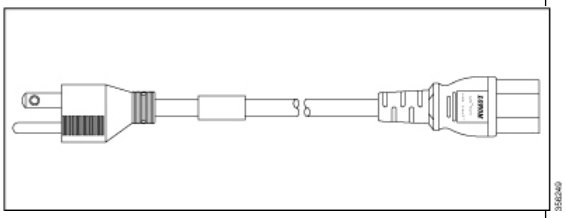
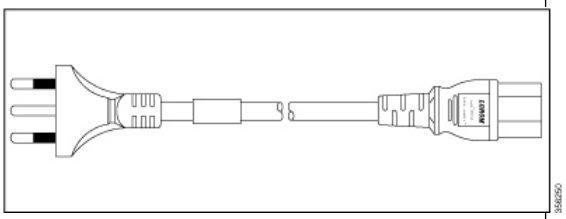
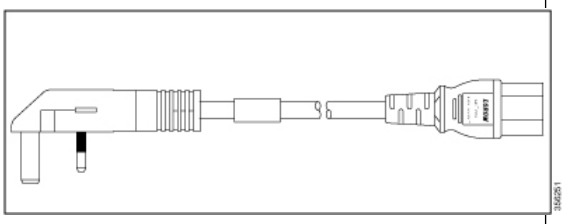
This table lists the specifications for the AC power cords that are supported for the 500 W and 850 W AC-input power supplies supported with Cisco C9350 series smart switches.

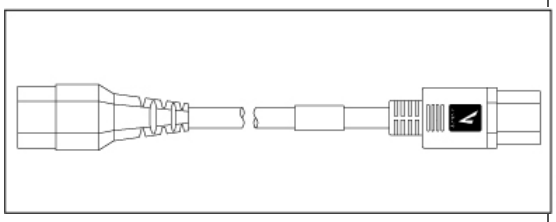
Table 6: AC power cords for 500 W and 850 W PSUs

Locale	Part number	Cordset rating	Length	Power cord
Argentina	CAB-TA-AR	250 VAC, 10 A	2.5 m	***Figure 1: CAB-TA-AR= (Argentina)*** 

Locale	Part number	Cordset rating	Length	Power cord
Australia	CAB-TA-AP	250 VAC, 10 A	2.5 m	*Figure 2: CAB-TA-AP= (Australia)* 
Brazil	CAB-ACBZ-12A	125 VAC, 12 A	2.5 m	
Brazil	CAB-ACBZ-10A	250 VAC, 10 A	2.5 m	*Figure 3: CAB-ACBZ-10A= (Brazil)* 
China	CAB-TA-CN	250 VAC, 10 A	2.5 m	*Figure 4: CAB-TA-CN= (China)* 
Denmark	CAB-TA-DN	250 VAC, 10 A	2.5 m	*Figure 5: CAB-TA-DN= (Denmark)* 

Locale	Part number	Cordset rating	Length	Power cord
Europe	CAB-TA-EU	250 VAC, 10 A	2.5 m	*Figure 6: CAB-TA-EU= (Continental Europe)* 
India	CAB-TA-IN	250 VAC, 10 A	2.5 m	*Figure 7: CAB-TA-IN= (India)* 
Israel	CAB-TA-IS	250 VAC, 16 A	2.5 m	*Figure 8: CAB-TA-IS= (Israel)* 
Italy	CAB-TA-IT	250 VAC, 10 A	2.5 m	*Figure 9: CAB-TA-IT= (Italy)* 
Japan	CAB-TA-JP	125 VAC, 12 A	2.5 m	*Figure 10: CAB-TA-JP= (Japan)* 

Locale	Part number	Cordset rating	Length	Power cord
Japan	CAB-TA-250V-JP	250 VAC, 12 A	2.5 m	***Figure 11: CAB-TA-250V-JP= (Japan)*** 
Japan	CAB-C15-CBN-JP	250 VAC, 12 A	3.05 m	***Figure 12: CAB-C15-CBN-JP=(Japan)*** 
Korea	CAB-AC -C15-KOR	250 VAC, 10 A	2.5 m	-
North America	CAB-TA-NA	125 VAC, 15 A	2.5 m	***Figure 13: CAB-TA-NA= (North America)*** 
Switzerland	CAB-TA-SW	250 VAC, 10 A	2.5 m	***Figure 14: CAB-TA-SW= (Switzerland)*** 
Taiwan	CAB-AC-C15-TW	125 VAC, 15 A	2.5 m	-
United Kingdom	CAB-TA-UK	250 VAC, 10 A	2.5 m	***Figure 15: CAB-TA-UK= (United Kingdom)*** 

Locale	Part number	Cordset rating	Length	Power cord
Cabinet jumper power cord, C14-C15 connectors	CAB-C15-CBN	250 VAC, 13 A	1.22 m	*Figure 16: CAB-C15-CBN=* 

AC power cords for 1600 W PSUs

This table lists the specifications for the AC power cords that are supported with the 1600 W power supply units.

Table 7: AC power cords

Locale	Part number	Cordset rating	length
Argentina	C9K-PWR-CAB-AC-AR	250 VAC, 16 A	4.25 m
Australia	C9K-PWR-CAB-AC-AU	250 VAC, 16 A	4.25 m
China	C9K-PWR-CAB-AC-CN	250 VAC, 16 A	4.25 m
Europe	C9K-PWR-CAB-AC-EU	250 VAC, 16 A	4.25 m
India	C9K-PWR-CAB-AC-IN	250 VAC, 16 A	4.25 m
Israel	C9K-PWR-CAB-AC-IS	250 VAC, 16 A	4.25 m
Italy	C9K-PWR-CAB-AC-IT	250 VAC, 16 A	4.25 m
Japan	C9K-PWR-CAB-AC-JP	250 VAC, 20 A	4.25 m
Japan and North America	CAB-L620P-C13-JPN	250 VAC, 15A	2.5 m
North America	C9K-CAB-US520PC21	125 VAC, 20 A	2.5 m
North America	C9K-PWR-CAB-AC-US	250 VAC, 20 A	4.25 m
South Africa	C9K-PWR-CAB-AC-SA	250 VAC, 16 A	4.25 m
United Kingdom	C9K-PWR-CAB-AC-UK	250 VAC, 16 A	4.25 m
North America	C9K-PWR-CAB-AC-BL (Cabinet jumper power cord)	250 VAC, 20 A	4.25 m

StackWise accessories

All Cisco stack cables are halogen-free. The StackWise cables of lengths 0.5 m, 1 m, and 3 m supported. You can order the stacking cables from your Cisco sales representative.

Table 8: Cisco StackWise cables

Product ID	Product description
STACK-T1A-50CM	50 cm stacking cable for Cisco StackWise
STACK-T1A-1M	1 m stacking cable for Cisco StackWise
STACK-T1A-3M	3 m stacking cable for Cisco StackWise

Table 9: StackWise cables minimum bend radius and coiled diameter

Cable part number	Cable length	Minimum bend radius	Minimum coiled diameter
STACK-T1A-50CM	1.64 feet (0.5 m)	1.6 in. (41 mm)	Not applicable
STACK-T1A-1M	3.28 feet (1.0 m)	1.6 in. (41 mm)	5.2 in. (132 mm)
STACK-T1A-3M	9.84 feet (3.0 m)	3.2 in. (82 mm)	7.17 in. (182 mm)

1. With a 0.5 m cable, the minimum coiled diameter is negligible and the cable cannot be physically coiled without exceeding the bending limit.

StackPower accessories

All Cisco stack cables are halogen-free. The StackPower cables of lengths 0.35 m and 1 m are supported on Cisco C9350 switches. You can order the stacking cables from your Cisco sales representative.

Table 10: Cisco StackPower cables

Product ID	Product description
CAB-SPWR-35CM	35 cm cable for Cisco StackPower
CAB-SPWR-100CM	1 m cable for Cisco StackPower

Transceiver module network cables

For transceiver cabling specifications, refer to these documents:

- Cisco SFP and SFP+ Transceiver Module Installation Notes
- Cisco 40-Gigabit QSFP+ Transceiver Modules Installation Note

Each port must match the wavelength specifications on the other end of the cable, and the cable must not exceed the stipulated cable length. Copper 1000BASE-T SFP module transceivers use standard four twisted-pair, Category 5 cable at lengths up to 328 feet (100 meters).

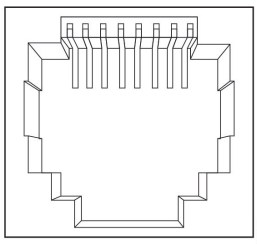
Connectors

This section describes the connectors supported by Cisco C9350 series smart switches.

10/100/1000 Ports

This illustrations shows all 10/100/1000 ports including the PoE ports that use standard RJ-45 connectors and Ethernet pinouts

Figure 17: 10/100/1000 Port Pinouts

Pin	Label	1 2 3 4 5 6 7 8
1	TP0+	
2	TP0-	
3	TP1+	
4	TP2+	
5	TP2-	
6	TP1-	
7	TP3+	
8	TP3-	

Module connectors

This section describes the different SFP/QSFP/QSFP-DD module connectors used on various ports on the switches.

Figure 18: Duplex LC cable connector

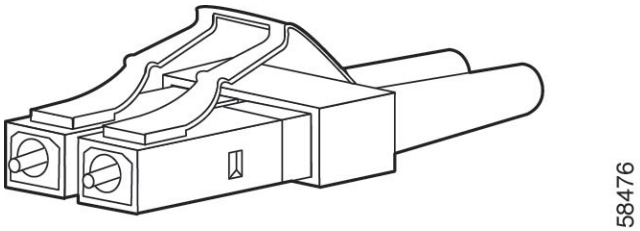


Figure 19: Simplex LC cable connector

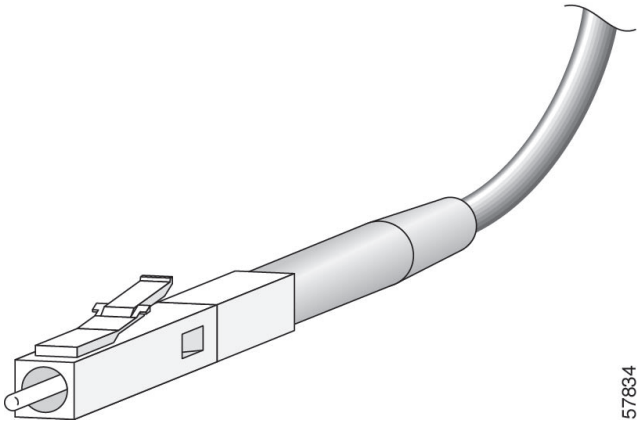
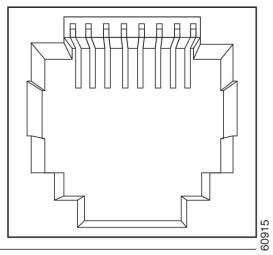


Figure 20: Copper SFP module LC connector

Pin	Label
1	TP0+
2	TP0-
3	TP1+
4	TP2+
5	TP2-
6	TP1-
7	TP3+
8	TP3-



MPO-12 connectors

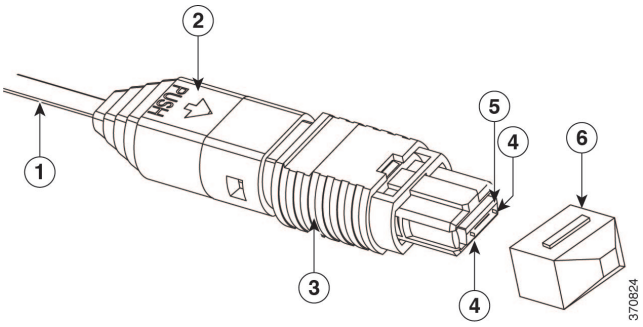
The multi-fiber push on (MPO) connector is used in high-density fiber optic networks. An MPO-12 connector has 12 fiber strands in a single connector that enables high-speed data transmission and efficient cable management. Its footprint is similar to the SC simplex connector. The MPO connector conforms to the TIA/EIA-604-5 intermateability standard. It is used for establishing 40G and 100G optical parallel connections.

The MPO connector conforms to the TIA/EIA-604-5 intermateability standard. It is used for establishing 40G and 100G optical parallel connections.

Key characteristics of MPO-12 connectors include

- compatibility with various transceivers: Many Cisco transceivers use MPO-12 connectors for data transmission.
- breakout cable support: MPO-12 connectors can be used in breakout cables.

Figure 21: MPO-12 fiber-optic connector



Cable pinouts

A cable pinout refers to the specific arrangement of wires within a cable connector. Pinouts define how each pin is connected between the two ends of a cable.

Figure 22: Four twisted-pair straight-through cable schematic

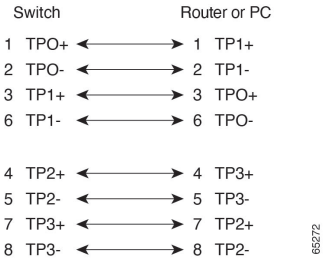


Figure 23: Four twisted-pair semi-cross cable schematic

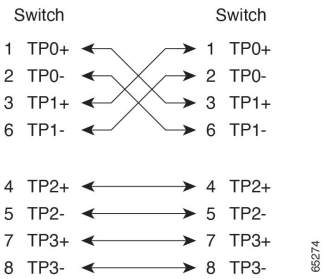


Figure 24: Two twisted-pair straight-through cable schematic

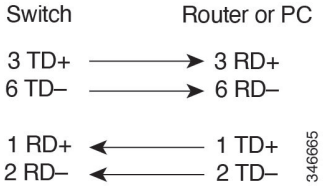
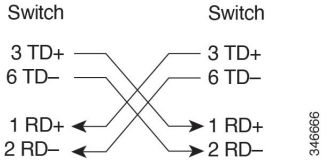


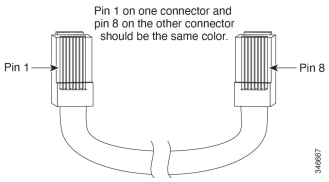
Figure 25: Two twisted-pair crossover cable schematic



Identifying a crossover cable

To identify a crossover cable, compare the two modular ends of the cable. Hold the cable ends side-by-side, with the tab at the back. The wire connected to the pin on the outside of the left plug should be a different color from the wire connected to the pin on the inside of the right plug.

Figure 26: Identifying a crossover cable



Console port adapter pinouts

Use an RJ-45-to-DB-9 adapter cable to connect the switch console port to a console PC. You need to provide a RJ-45-to-DB-25 female DTE adapter to connect the switch console port to a terminal.

Table 11: Console port signaling with a DB-9 adapter

Switch console port (DTE)	**RJ-45-to-DB-9 terminal adapter**	**Console device**
Signal	**DB-9 Pin**	**Signal**
TxD	2	RxD
GND	5	GND
GND	5	GND
RxD	3	TxD

Table 12: Console port signaling with a DB-25 adapter

Switch console port (DTE)	**RJ-45-to-DB-25 terminal adapter**	**Console device**
Signal	**DB-25 pin**	**Signal**
TxD	3	RxD
GND	7	GND
GND	7	GND
RxD	2	TxD