System Specifications

Environmental Specifications

Environment		Specification
Temperature	Ambient operating temperature	32 to 104°F (0 to 40°C)
	Ambient nonoperating	–40 to 158°F (–40 to 70°C)
Humidity	Ambient operating humidity	8 to 80%
	Ambient nonoperating	5 to 95%
Altitude*	Ambient operating altitude	0 to 10,000 feet (0 to 3,048 meters) For China, 6,562 ft (2000 m)
	Ambient nonoperating	-1000 to 30,000 feet (-304 to 15,150 meters)
* The Cisco Nexus switch functions in operating temperatures of up to 40°C at sea level. For every 300 meters (1000 ft) above sea level, the maximum temperature is reduced by 1°C. For more details on environmental requirements, see the Cisco Datasheet.		

Switch Dimensions

Switch	Width	Depth	Height
Cisco Nexus 9348Y2C6D-SE1U	17.3 (43.94 cm)	24 in (60.96 cm)	1.72 in (4.36 cm)

Switch and Module Weights and Quantities

Component	Weight per Unit	Quantity
Cisco Nexus 9348Y2C6D-SE1U Chassis (9348Y2C6D-SE1U)	36.8 lb (16.69 kg)	1
Fan Module – Port-side intake (red) (NXA-SFAN-35CFM-PI)	— .26 lb (.12 kg)	6
Power Supply module – 1100-W AC port-side intake (red) (NXA-PAC-1100W-PI)	— 3.6 lb (1.63 kg)	2 (1 for operations and 1 for redundancy)

Transceiver and Cable Specifications

To see the transceiver specifications and installation information, see https://www.cisco.com/c/en/us/support/interfaces-modules/transceiver-modules/products-device-support-tables-list.html.

Switch Power Input Requirements

This table lists the typical amount of power that the switch consumes. It also lists the maximum amount of power that you must provision for the switch and power supply for peak conditions.

Note Some power supplies have capabilities that are greater than the maximum power requirements for a switch. To determine the power consumption characteristics for the switch, use the typical and maximum requirements that are listed here.

Note If you want to use optics that consume **5W or more power on all the 36 ports**, you must install 1100W power supplies.

Switch	Typical Power Consumption (AC or DC)	Maximum Power Consumption (AC or DC)	Heat Dissipation Requirement
Cisco Nexus 9348Y2C6D-SE1U	829 W	1036 W	3534 BTUs per hour

Power Specifications

Power specifications include the specifications for each type of power supply module.

1100-W AC Power Supply Specifications

These specifications apply to all versions of the NXA-PAC-1100W power supply.

Property	Specification
Input Voltage Range	115 VAC to 127 VAC 200 VAC to 240 VAC
Input Frequency	50 to 60 Hz
Efficiency	90% or greater (20 to 100% load)
Output Power	1100 W
Redundancy Modes	1 +1
RoHS Compliance	Yes
Hot Swappable	Yes

Power Cable Specifications

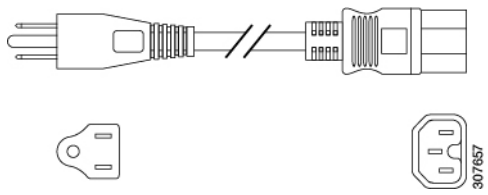
These sections show the power cables that you can order and use with this switch.

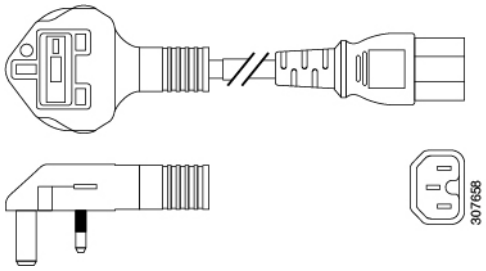
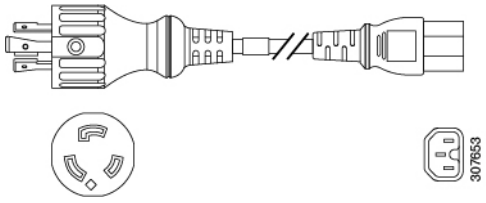
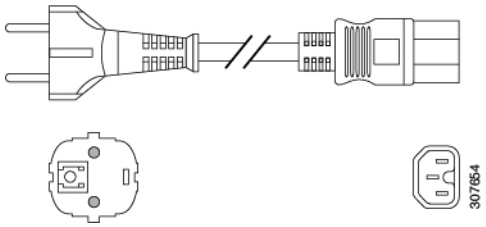
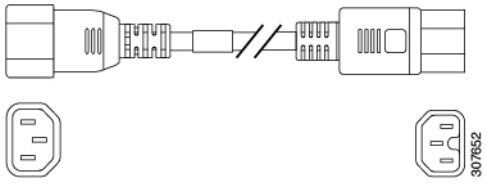
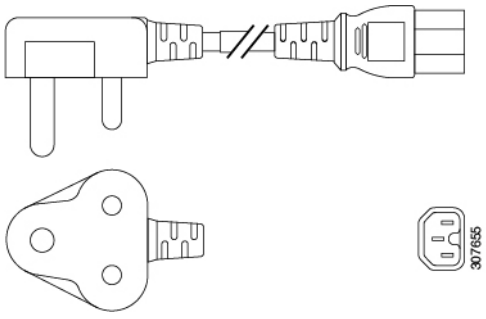
Power Cable Specifications for AC Power Supplies

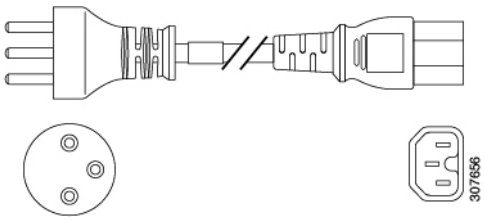
Power Type	Power Cord Part Number	Cord Set Description
	CAB-C13-C14-2M	Power Cord Jumper, C13-C14 Connectors, 6.6 feet (2.0 m)
	CAB-C13-CBN	Cabinet jumper power cord, 250 VAC, 10 A, C14-C13 connectors, 2.3 feet (0.7 m)
Argentina	CAB-250V-10A-AR	250 V, 10 A, 8.2 feet (2.5 m)
Australia	CAB-9K10A-AU	250 VAC, 10 A, 3112 plug, 8.2 feet (2.5 m)

Power Type	Power Cord Part Number	Cord Set Description
Brazil	CAB-250V-10A-BR	250 V, 10 A, 6.9 feet (2.1 m)
European Union	CAB-9K10A-EU	250 VAC, 10 A, CEE 7/7 plug, 8.2 feet (2.5 m)
India	CAB-IND-10A	10 A, 8.2 feet (2.5 m)
India	CAB-C13-C14-2M-IN	Power Cord Jumper, C13-C14 Connectors, 6.6 feet (2.0 m)
India	CAB-C13-C14-3M-IN	Power Cord Jumper, C13-C14 Connectors, 9.8 feet (3.0 m)
Israel	CAB-250V-10A-IS	250 V, 10 A, 8.2 feet (2.5 m)
Italy	CAB-9K10A-IT	250 VAC, 10 A, CEI 23-16/VII plug, 8.2 feet (2.5 m)
Japan	CAB-C13-C14-2M-JP	Power Cord Jumper, C13-C14 Connectors, 6.6 feet (2.0 m)
North America	CAB-9K12A-NA	125 VAC, 13 A, NEMA 5-15 plug, 8.2 feet (2.5 m)
North America	CAB-AC-L620-C13	NEMA L6-20-C13, 6.6 feet (2.0 m)
Peoples Republic of China	CAB-250V-10A-CN	250 V, 10 A, 8.2 feet (2.5 m)
South Africa	CAB-250V-10A-ID	250 V, 10 A, 8.2 feet (2.5 m)
Switzerland	CAB-9K10A-SW	250 VAC, 10 A, MP232 plug, 8.2 feet (2.5 m)
United Kingdom	CAB-9K10A-UK	250 VAC, 10 A, BS1363 plug (13 A fuse), 8.2 (2.5 m)
All except Argentina, Brazil, and Japan	NO-POWER-CORD	No power cord included with switch

Power Cables for NXA-PAC-1100W Power Supplies

Cable	Description	Illustration
CAB-TA-NA	North America AC Type A Power Cable	

Cable	Description	Illustration
CAB-TA-UK	United Kingdom AC Type A Power Cable	
CAB-TA-250V-JP	Japan 250V AC Type A Power Cable	
CAB-TA-EU	Europe AC Type A Power Cable	
CAB-C15-CBN	Cabinet Jumper Power Cord, 250 VAC 13A, C14-C15 Connectors	
CAB-ACBZ-12A	AC Power Cord (Brazil) 12A/125V BR-3-20 plug up to 12A	
CAB-TA-IN	India AC Type A Power Cable	

Cable	Description	Illustration
CAB-TA-IS	Israel AC Type A Power Cable	

Regulatory Standards Compliance Specifications

This table lists the regulatory standards compliance for the switch.

Table 1: Regulatory Standards Compliance: Safety and EMC

Specification	Description
Regulatory compliance	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC.
Safety	• CAN/CSA-C22.2 No. 60950-1 Second Edition • CAN/CSA-C22.2 No. 62368-1-19 Third Edition • ANSI/UL 60950-1 Second edition • IEC 62368-1 • EN 62368-1 • AS/NZS 62368-1 • GB4943 • UL 62368-1

Specification	Description
EMC: Emissions	• 47 CFR Part 15 • CISPR32 • CNS 15936 • EN 55032 • EN 61000-3-3 • EN IEC 61000-3-2 • EN300 386:2012 • EN300 386:2021 • ICES-003:2020:Iss:7 • KS C 9610-3-2 • KS C 9610-3-3 • KS C 9832:2019 • VCCI-CISPR 32
EMC: Immunity	• CISPR24 • CISPR35 • EN55035 • EN IEC61000-6-1 • EN300 386 • EN61000-6-1 • EN61000-6-2 • IEC61000-6-1 • IEC61000-6-2 • KS C 9835
RoHS	The product is RoH-6 compliant with exceptions for leaded-ball grid-array (BGA) balls and lead press-fit connectors.

System Specifications