

Information of SSD cables and connectors installed on the cones

1 Cable information :

Cable name	AWG	Max current	Operating Voltage	Manufacturer & part numb.	material	Voltage rating	Operating Temperature	Flammability rating
Power cables low volt. side	20	2 A	0 V	Alcatel Lyflex	PVC Copper	500 V	-10 C to + 60 C	NF C 32-070 C2 CEI 332-1
Power cables high volt. side	20	2 A	50 V	Alcatel Lyflex	PVC Copper	500 V	-10 C to + 60 C	NF C 32-070 C2 CEI 332-1
Sense cables low volt. side	24	0 A	0 V	Alpha wire 5599/5	PVC Copper Aluminium	300 V	-20 C to +80 C	UL VW1
Sense cables high volt. side	24	0 A	50 V	Alpha wire 5599/5	PVC Copper Aluminium	300 V	-20 C to +80 C	UL VW1
Signal & power cable	28	300 mA	0-5V	3M KU-KM PVV-SB	PVC Copper	300 V	-20 C to +60 C	UL VW1
High voltage cable	24	1mA	0-50V	Alpha wire 5092	PVC Copper	300 V	-20 C to +80 C	UL VW1

2 Connector information :

2.1 Connector for power, sense and high voltage cable :

At the large end of the cone, only one connector is used per group of cable. That means the power cable, the sense cable and the 'high voltage cable (50 V) are connected together.

AMP : M series 14 position



housings material :	phenolic
temperature rating :	-55C to +150C
flammability rating :	UL94V-0
dielectric withstanding voltage (sea level) :	AC 900 V,rms
current rating :	13 A

At the small end of the cone, two types of connector are used the group of cable.

Taitek : power cable and HV cable

type :	2.54mm header housing and crimp terminal
part number	254WS08G
number of pins	8
housing material :	Nylon
temperature rating :	-40 C to +105C
flammability rating :	UL 94V-2
dielectric withstand voltage :	AC 1200 V rms
operating voltage	AC 250 V rms
current rating	5 A

FCI : sense cable

type :	HE13
part number :	6110 03 2
number of pins :	6, double row
temperature rating	-55C to +125 C
flammability rating	UL 94V-0
dielectric withstanding voltage	AC 1000 V rms
current rating	3 A

2.2 connector for the signal cable :

Harting : SCSI connector

type
part number
housing material
shield material
number of pins
temperature rating
flammability rating
dielectric withstanding voltage
operating voltage
operating current

SCSI connector
60 03 068 5100
thermoplastic doped with glass
brass
68 pins
-55C to +105 C
UL 94V-0
AC 750 V rms
AC 240 V rms
1A