

Cablexa CAB-8643i8-8643i8 Datasheet



Internal HD Mini SAS SFF-8643 8i 72P to HD Mini SAS SFF-8643 8i Cable

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Features and advantages

- Form Factor: MINI SAS HD 8I CABLES (SFF-8643)
- Type: SFF-8643 8i to SFF-8643 8i
- Function: Internal cable assembly
- Wire Size: Wire Size (AWG)= 30~28
- Impedance: Impedance= 100 ohms / 85 ohms
- Cable Length: 0.5m ~ 1m

Mechanical behavior

- Fit and release
- Conditions: EIA 364-13. Insert and unplug at a speed of 25mm/min
- Combining force: 100N max
- Uncoupling force: 50N minimum

Electrical performance

- 1.When the contact current rating is matched, each pin has a maximum of 0.5A

- 2. When the rated voltage is matched or not, each contact is 30VAC
- 3. The maximum contact resistance is 30mohm at the beginning and 15mohm after the pressure test
- 4. The dielectric withstand voltage is 500 VAC for 1 minute without breakdown
- 5. The minimum insulation resistance is 1000 Mohm

Signal integrity

- 1. Impedance of mating connector: 100 ohm \pm 15%
- 2. Absolute cable impedance: 100 ohm \pm 10%
- 3. Cable pair matching: \pm 5 ohm
- 4. Common mode impedance: 25 to 40 ohms
- 5. Insertion loss: maximum -6dB, maximum 4.5Ghz; maximum 9dB, maximum 11dB
- 6. Crosstalk: -35 dB, up to 6Ghz

Applications

- 1. RAID (Redundant Array of Independent Disks)
- 2. Workstation
- 3. Rack server
- 4. Server
- 5. Storage shelf

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