

## MiniSAS SFF-8088 to MiniSAS-HD SFF-8644 SAS 2.0 6Gb/s Hybrid Cable



### Description

The BlueLAN® SC464801GXM30 MiniSAS SFF-8088 to MiniSAS-HD SFF-8644 Hybrid Cable is a low-power, low-cost and low-latency solution for short interconnections between devices.

BlueLAN® SC464801GXM30 MiniSAS SFF-8088 to MiniSAS-HD SFF-8644 Hybrid Cable can be used for connecting external SAS Devices like SAN Storages or Hard Drives.

You can connect 4 SATA or SAS lines on only one SFF-8088 Multicore Connector. Save space in your installation!

### Applications

- ✓ Raid Systems
- ✓ Server
- ✓ Storage
- ✓ Direct Attach Storage
- ✓ Other links

### Features

- ✓ 6Gbps SAS 2.0 / SATA 6.0
- ✓ Go Green and reduce OPEX:  
Maximum 1 mW power consumption
- ✓ Hot-pluggable SFF-8088 footprint
- ✓ Hot-pluggable SFF-8644 footprint
- ✓ 100 Ohm differential impedance
- ✓ Available in following length (Meter):  
1, 3, 5, 7, 10
- ✓ Nickel plated zinc diecast enclosure, for  
lower EMI
- ✓ RoHS compliant and lead-free
- ✓ Single +3.3V power supply
- ✓ Case operating temperature  
Commercial: 0°C to +70°C  
Industrial: -40°C to +85°C

## Warnings

**Handling Precautions:** This device is susceptible to damage as a result of electrostatic discharge (ESD). A static free environment is highly recommended.

## Warranty

Every BlueLAN® MiniSAS Cable comes with a 5 year replacement warranty and lifetime support.

For a warranty inquiry, please contact your CBO sales representative.

This warranty only covers the first user of the equipment.

## Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by CBO before they become applicable to any particular order or contract. In accordance with the CBO policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of CBO or others.

Further details are available from any CBO sales representative.

## Installation

Before installation attach an ESD-preventive wrist to ensure not to damage the MiniSAS Cable or hardware.

BlueLAN® SC464801GXM30 can be installed in any SFF-8088) port. You can install the SC464801GXM30 regardless if the system is powered on or off, because it is hot-swappable.

Insert each connector of the MiniSAS Cable into the MiniSAS port of your devices.

You can now use your link.

## Order Information

Part No.	Length	Temperature	AWG
SC464801G0.5M30	0.5 Meter	0°C – 70°C	30
SC464801G1M30	1 Meter	0°C – 70°C	30
SC464801G3M30	3 Meter	0°C – 70°C	30
SC464801G5M26	5 Meter	0°C – 70°C	26
SC464801G7M26	7 Meter	0°C – 70°C	26
SC464801G10M24	10 Meter	0°C – 70°C	24
SC464801G0.5M30IN	0.5 Meter	-40°C – 85°C	30
SC464801G1M30IN	1 Meter	-40°C – 85°C	30
SC464801G3M30IN	3 Meter	-40°C – 85°C	30
SC464801G5M26IN	5 Meter	-40°C – 85°C	26
SC464801G7M26IN	7 Meter	-40°C – 85°C	26
SC464801G10M24IN	10 Meter	-40°C – 85°C	24

## Regulatory Compliance

Feature	Standard	Co.
Electrostatic Discharge (ESD)	- IEC/EN 61000-4- 2	✓
Electromagnetic Interference (EMI)	- FCC Part 15 Class B EN 55022 - Class B (CISPR 22A)	✓
Component Recognition	- IEC/EN 60950, UL	✓
RoHS	- 2002/95/EC	✓
EMC	- EN61000-3	✓

**1. General Information**

Parameter	Value
Min. Dielectric Withstand Voltage	300 VDC
Insulation Resistance	1000 Mega Ohm
Mega Ohm Current Rating	0.5 Amp Min/Signal Contact
Flammability Rating	UL 94 V-0
Shield	Braid/Foil

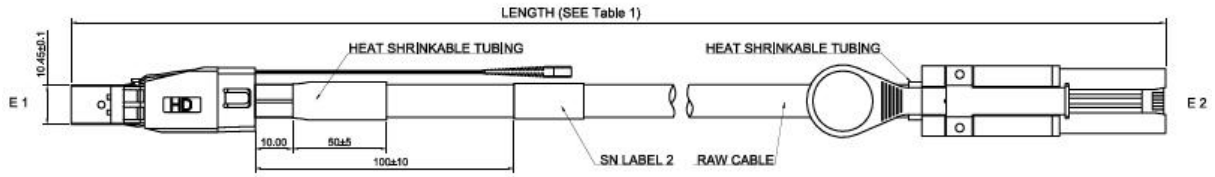
**2. Raw Cable Characteristics**

Parameter	Value
Conductor	Solid
Wire Gauge	30 AWG to 24 AWG
Impedance	100 $\pm$ 5 Ohm
Construction	Twinaxial
Cable Diameter	30 AWG = 5.1mm 28 AWG = 7.0mm 24 AWG = 7.6mm
Jacket Type	PVC
Bend Radius	5X Cable Diameter

**3. Plug Characteristics**

Parameter	Value
Back shell Material	Nickel Plated Zinc Diecast
Contact	PCB with Gold-Plated Pads
Latch	Positive latching with pull
Insertion Force	100N maximum
Withdrawal Force	50N maximum
Retention Force	133.5N maximum
Durability	250 Cycles minimum

## 4. Mechanical Specifications (Unit: mm)



Bend Radi			
AWG	Diameter	Bend Radius min. (mm)	Bend Space min.
30	6.6	35	60.50
28	7.3	38	62.64
24	7.5	42	68.12

