

## SPECIFICATION SHEET



### **Active External Mini-SAS Cable**

- Active electronics provide for superior signal performance at medium distances
- Assembled with premium 100Ohm 28AWG, 26AWG or 24AWG cable
- Support for 6Gb and 3Gb applications
- RoHS compliant
- TAA compliant
- Lifetime warranty

# Specifications: Active External Mini-SAS Cable

## Electrical characteristics:

### 24AWG cable:

Differential impedance:	100 ± 5Ω
Mutual capacitance:	42pF/m nominal
Propagation delay:	4.25ns/m nominal
Skew (within pairs):	≤ 100ps/10m
Skew (between pairs):	≤ 400ps/10m
Attenuation:	0.86dB/m @ 1.25GHz
Near end crosstalk (NEXT):	< -55dB @ 1.25 GHz

### 28AWG cable:

Differential impedance:	100 ± 5Ω
Mutual capacitance:	14pF/ft nominal
Time delay:	1.35ns/ft
Time delay skew (within pairs):	120ps/7m maximum
Time delay skew (between pairs):	500ps/7m maximum
Attenuation:	10dB/7m @ 1.25GHz
Conductor DC Resistance:	0.06Ω/ft nominal @ 20°C
Near end/far end crosstalk:	1% maximum

### 26AWG cable:

Differential impedance:	100 ± 5Ω
Mutual capacitance:	14pF/ft nominal
Time delay:	1.35ns/ft nominal
Time delay skew (within pairs):	120ps/8.5m maximum
Time delay skew (between pairs):	500ps/8.5m maximum
Attenuation:	10dB/8.5m @ 1.25GHz
Conductor DC Resistance:	0.04Ω/ft nominal @ 20°C
Near end/far end crosstalk:	1% maximum

## Physical specifications:

### 24AWG cable:

Conductors (eight pair):	24AWG Solid Silver plated copper
Insulation:	Foam polyolefin
Pair drain wire:	27AWG Solid Tin plated copper
Pair shield:	Aluminum polyester tape 120% coverage
Overall cable shield:	Aluminum polyester tape 120% coverage Tin plated copper braid 36AWG, 85% coverage
Outer diameter:	0.385 ± 0.15in

### 28AWG cable:

Conductors (eight pair):	28AWG Solid Silver plated copper
Insulation:	Foam polyolefin
Pair drain wire:	30AWG Solid Silver plated copper
Pair shield:	Aluminum polyester tape 125% coverage
Overall cable shield:	Aluminum polyester tape 125% coverage Tin plated copper braid 38AWG, 85% coverage
Outer diameter:	0.310in

### 26AWG cable:

Conductors (eight pair):	26AWG Solid Silver plated copper
Insulation:	Foam polyolefin
Pair drain wire:	28AWG Solid Tin plated copper
Pair shield:	Aluminum polyester tape 125% coverage
Overall cable shield:	Aluminum polyester tape 125% coverage Tin plated copper braid 38AWG, 85% coverage
Outer diameter:	0.345in

## Specifications: Active External Mini-SAS Cable

### Connector specifications:

Connector type:	SFF-8088
Active component:	Integrated circuit
Hood material:	Die cast zinc Nickel plated
Contact plating:	30µ gold plated

Part Number	Description	AWG	Weight
06188	5m Active External Mini-SAS Cable	28	0.08
06189	10m Active External Mini-SAS Cable	28	1.84
06190	15m Active External Mini-SAS Cable	26	3.49
06191	20m Active External Mini-SAS Cable	24	5.75
06192	25m Active External Mini-SAS Cable	24	7.39



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