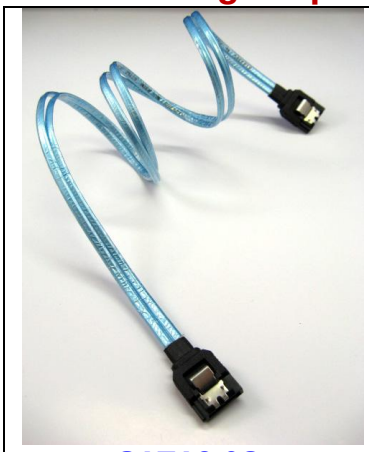
pactech
Data Center & Custom Cable Solutions

Introducing Amphenol 6G Serial ATA III series – for Super Fast High Performance



SATA3-6G
Slim with Proven Test Record

SATA3-6G-XX
Use blue SAS 7P6G STR-STR with latches 26awg, 1.5mm thick

- SATA3-6G-06 06”
- SATA3-6G-08 08”
- SATA3-6G-12 12”
- SATA3-6G-18 18”
- SATA3-6G-24 24”
- SATA3-6G-30 30”
- SATA3-6G-36 36”

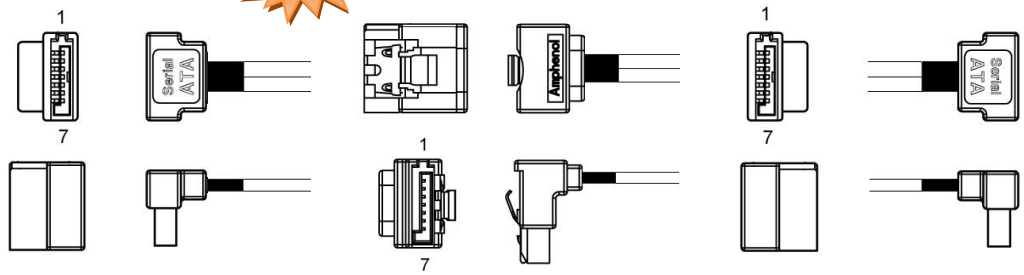
SATA3-6G30-XX
Use silver SAS 7P6G STR-STR with latches 30awg, 1mm thick

- SATA3-6G30-06 06”
- SATA3-6G30-08 08”
- SATA3-6G30-12 12”
- SATA3-6G30-18 18”
- SATA3-6G30-24 24”
- SATA3-6G30-30 30”
- SATA3-6G30-36 36”

SATA3-6G30-XXNL
Use silver SAS 7P6G STR-STR no latches 30awg, 1mm thick

- SATA3-6G30-06NL 06”
- SATA3-6G30-08NL 08”
- SATA3-6G30-12NL 12”
- SATA3-6G30-18NL 18”
- SATA3-6G30-24NL 24”
- SATA3-6G30-30NL 30”
- SATA3-6G30-36NL 36”

NEW **Additional Features**



Left Angle (no latch) **Left Angle (latched)** **Right Angle (no latch)**

Male 7P6G

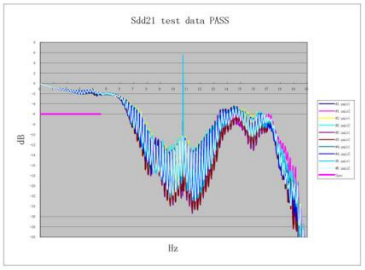
Features:

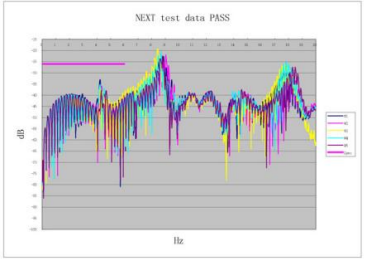
- ***Highest Serial ATA performance***: 6 Gigabit High Speed vs regular Serial II 3 Gigabit
- ***Applications***: Interface for connecting host bus adapters to mass storage devices such as hard disk drives, SSD and optical drives with 6 Gigabit high speed. Cable lengths from 6 inches to 40 inches avail.
- ***Advantages***: Low profile 13mm Amphenol patented latched connectors, flexible slim dual 3.5mm high frequency 26AWG & 30AWG SAS skews for all situation performance applications.

Performance Test Data for SATA3-6G Series is shown as below

Temperature:23.2℃ Humidity: 58.5 %

Sample No.	Signal	Impedance(Risetime=50ps, 20%~80%) Differential impedance Termination area Side A MAX	Side A MIN	Side B MAX	Side B MIN	Cable Absolute area MAX	Cable Absolute area MIN	Cable pair matching	Common mode	Intra-pair skew (Risetime =70ps, 20%~80 %)	Rise time	sdd21	NEXT	RESULT
	Wire	MAX	MIN	MAX	MIN	MAX	MIN							
	Unit	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	ps	ps	dB	dB	
	High Limit	115	115	115	115	110	110	5	40	10	85	See the test data		
	Lower Limit	85	85	85	85	90	90	0	25	0	0			
#1	Pair A	104.3	91.4	104.3	91.7	103.4	102.9	0.6	30.6	2.2	71.7	OK	OK	PASS
	Pair B	103.9	91.8	104.0	91.0	103.0	102.5	1.5	29.9	1.1	70.4			
#2	Pair A	103.0	91.4	102.9	91.3	103.0	102.3	0.9	30.5	0.3	68.5	OK	OK	PASS
	Pair B	103.0	92.2	102.9	90.9	103.1	102.1	1.5	31.6	2.2	72.5			
#3	Pair A	103.2	90.7	104.0	90.9	103.2	102.4	0.5	29.5	0.2	70.5	OK	OK	PASS
	Pair B	103.1	91.7	103.9	91.5	103.3	102.4	1.3	30.5	2.2	67.8			
#4	Pair A	104.3	91.7	103.6	92.2	103.1	102.3	0.8	29.3	0.4	69.0	OK	OK	PASS
	Pair B	104.1	91.2	104.0	91.5	103.5	102.7	1.2	30.5	2.6	71.6			
#5	Pair A	102.9	90.9	103.2	90.6	103.2	102.5	0.9	30.5	0.1	68.2	OK	OK	PASS
	Pair B	103.4	91.8	102.8	90.2	103.0	102.1	0.4	31.2	0.9	75.1			
	MAX	104.3	92.2	104.3	92.2	103.5	102.9	1.5	31.6	2.6	75.1			
	MIN	102.9	90.7	102.8	90.2	103.0	102.1	0.4	29.3	0.1	67.8			
	AVERAGE	103.5	91.5	103.6	91.2	103.2	102.4	1.0	30.4	1.2	70.5			





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