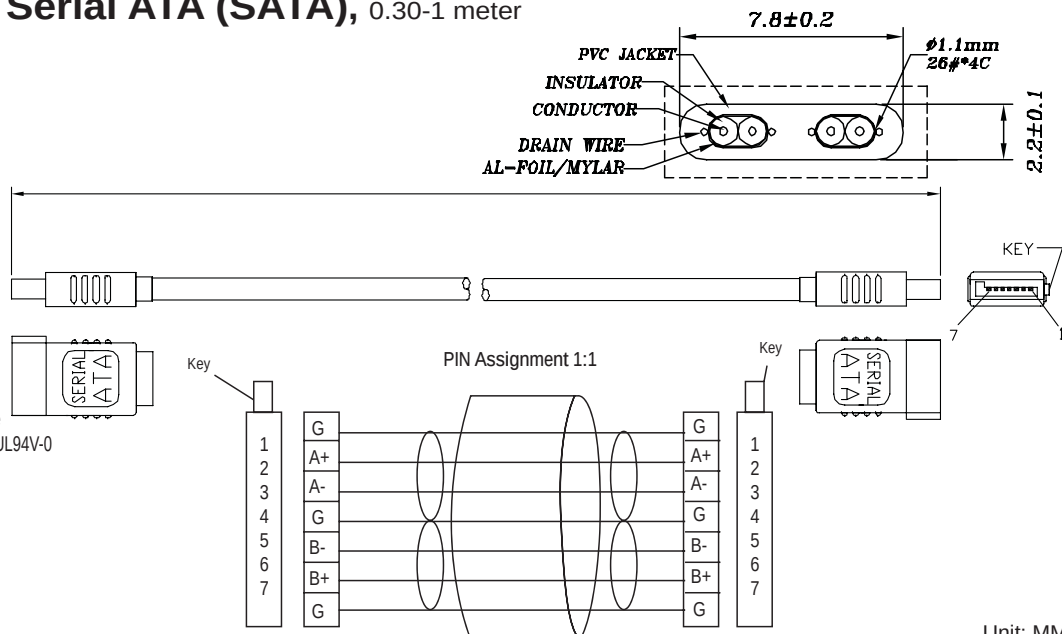


SATA & eSATA



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Connection cable - Serial ATA (SATA), 0.30-1 meter

**Material:**

Cable: UL2725 26AWG(1/0.404)*2F+AL/MY+Drain Wire
 Connector Housing: High Temperature Polyester & GF UL94V-0
 Terminal: Copper Alloy
 Contact Plating: 15μ " Gold plated
 Hood: Molded type, PVC 45P Black

Electrical:

100% Open & Short Testing
 Contact Resistance: $20\text{m}\Omega$ (Min.)
 Insulation Resistance: $20\text{M}\Omega$ (Min.)

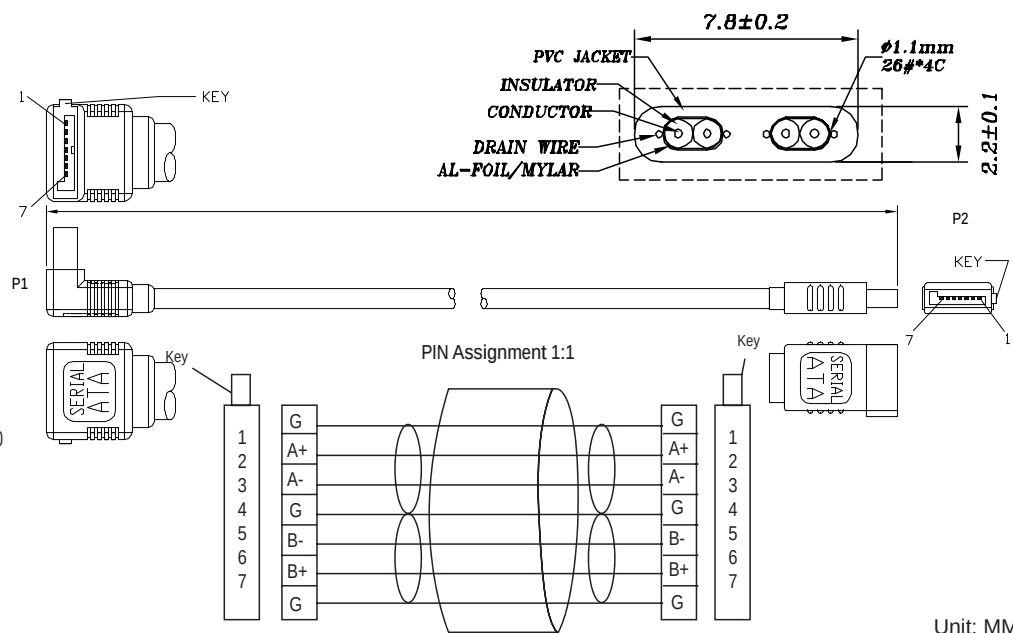
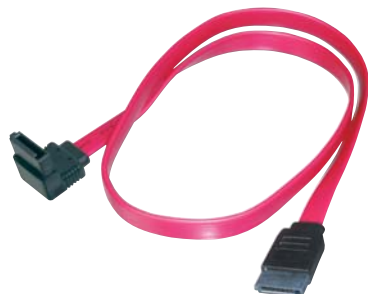


Unit: MM

NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Length (Meters)
AK-SATA-030-R	0.30
AK-SATA-050-R	0.50
AK-SATA-075-R	0.75
AK-SATA-100-R	1.00

Connection cable - Serial ATA (SATA) / Angled, 0.30-0.75 meter

**Material:**

Cable: UL2725 26AWG(1/0.404)*2F+AL/MY+Drain Wire
 Connector Housing: High Temperature Polyester & GF UL94V-0
 Terminal: Copper Alloy
 Contact Plating: 15μ " Gold plated
 Hood: Molded type, PVC 45P Black

Electrical:

100% Open & Short Testing
 Contact Resistance: $20\text{m}\Omega$ (Min.)
 Insulation Resistance: $20\text{M}\Omega$ (Min.)



Unit: MM

NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Length (Meters)
AK-SATA-030DL-R	0.30
AK-SATA-050DL-R	0.50
AK-SATA-075DL-R	0.75

Connection cable
SAS - SATA



Material:
SAS 32-pin male (SFF-8484) to 4x SATA 7-pin male
Molded Housing
SATA plugs with metal latch
Color: Red



Assmann Part Number (Standard Stocking Item)	Length (Meters)
AK-SAS-01-R	0.50

Connection cable
SAS - SATA w/drive cage LEDs cable

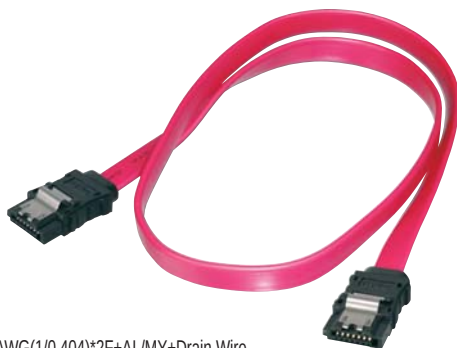


Material:
SAS 32-pin male (SFF-8484) to 4x SATA 7-pin male + 6-pin LED jack
Molded Housing
SATA plugs with metal latch
LED power connection cable for drive cage LEDs (2 x 3-pin female header)
Color: Red



Assmann Part Number (Standard Stocking Item)	Length (Meters)
AK-SAS-02-R	1.00

Connection cable
Serial ATA (SATA) / Metal Latch



Material:
Cable: UL2725 26AWG(1/0.404)*2F+AL/MY+Drain Wire
Connector Housing: High Temperature Polyester & GF UL94V-0
Terminal: Copper Alloy
Contact Plating: 15µ" Gold plated
Hood: Molded type, PVC 45P Black

Electrical:
100% Open & Short Testing
Contact Resistance: 20MΩ (Min.)
Insulation Resistance: 20MΩ (Min.)

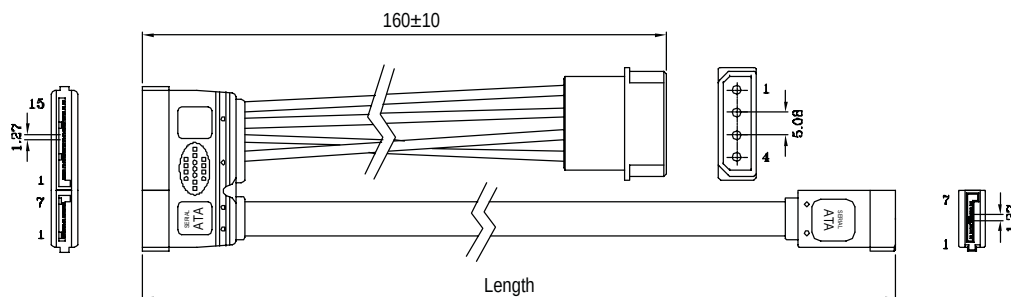
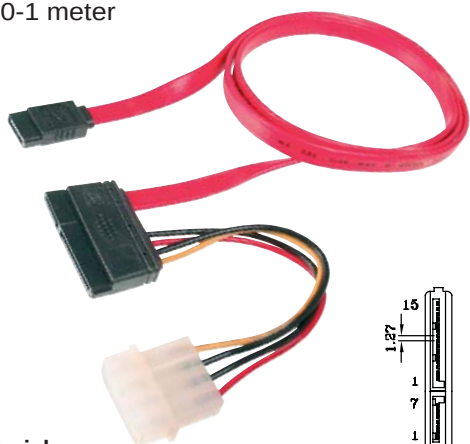


Assmann Part Number (Standard Stocking Item)	Length (Meters)
AK-SATA-050-L-R	0.50
AK-SATA-075-L-R	0.75
AK-SATA-100-L-R	1.00

USB & IEEE
IDC & Flat Ribbon
IC, PLCC, Pin & Jumpers
DSUB & Centronics
Waterproof
DVI & HDMI
Modular
Fiber-Optic
Power Cords
Wire to Board
SATA & eSATA
FFC/FFC
MiniDIN & Audio
KVM Cables

Connection cable - Serial ATA (SATA) with Power supply connector, 0.50-1 meter

USB & IEEE
IDC &
Flat Ribbon
IC, PLCC, Pin
& Jumpers
DSUB &
Centronics



Material:

Wire: UL1007 18AWG(Black x2, Yellow, Red)
Insulator: SPS UL94V-0, Phosphor Bronze contact
Cable: UL2725 26AWG(1/0.404)*2F+AL/MY+DW(1/0.32)*2
Hood: Molded type, PVC 45P Black

Electrical:

100% Open & Short Testing
Insulation Resistance: 2M Ω (Min.)



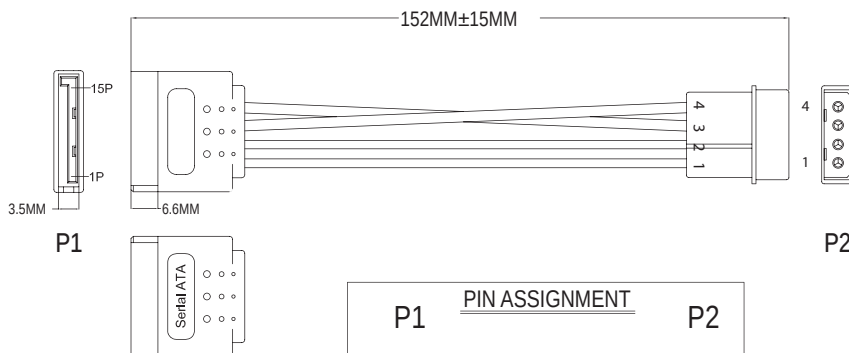
Unit: MM

NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Length (Meters)
AK-SATA-SP-050-R	0.50
AK-SATA-SP-075-R	0.75
AK-SATA-SP-100-R	1.00

Connection cable - Serial ATA (SATA) to Power supply cable, 0.15 meter

Fiber-Optic
Power Cords
Wire to Board



P1	PIN ASSIGNMENT	P2
1	YELLOW	1
2		
3		
4	BLACK	2
5		
6		
10	BLACK	3
11		
12		
7	RED	4
8		
9		

Material:

Cable: UL1007 18AWG(41/0.16 TC)
P1 Connector: SATA 15P/F, Crimp type, Terminal: 15 μ *, Insulator PBT Black
P2 Connector: Big 4-pin Female housing, PH 5.08MM, White, Terminal tin plated

Electrical:

100% Open, Short, & Miswire Testing
Conduct Resistance: 3 Ω (Max.)
Insulation Resistance: 20M Ω (Min.)
Hi-Pot test: 300V DC



Unit: MM

NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Length (Meters)
AK-SATA-PC-015-R	0.15

Slot Bracket - Serial ATA (SATA), 1 & 2 port

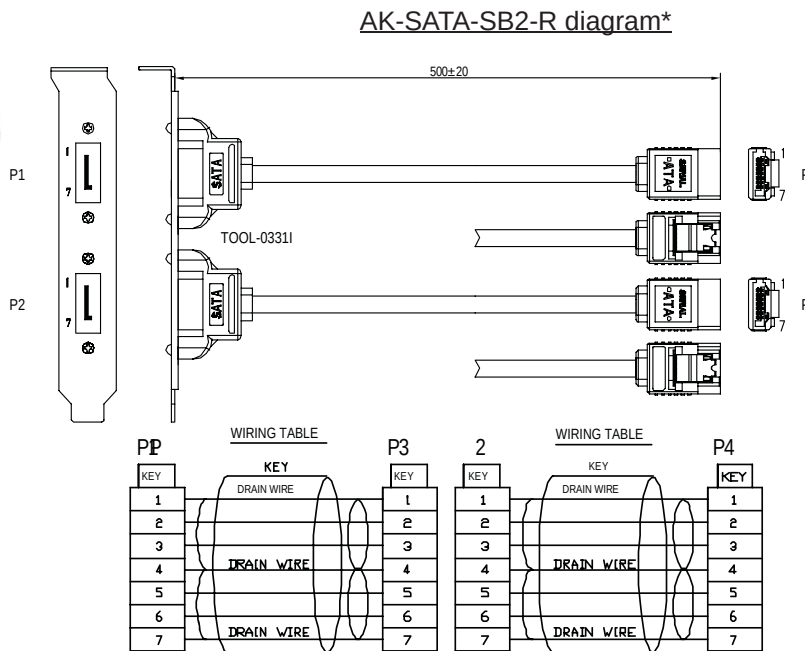


Material:

Cable: UL2725 80°C 30V 26AWG(1/0.404)*2F+AL/MY+Drain Wire(1/0.32)*2
PVC Jacket: $\varnothing 2.2\text{MM} \pm 0.05\text{MM}$
Connector P1 (&P2): SATA I 7-pin L Type PBT Black GF w/metal shell
Connector P3 (&P4): SATA 7-pin Gold flash contact, w/metal latch
Hood: Molded type, PVC 45P, Black

Electrical:

100% Open & Short Testing
Contact Resistance: 3Ω Max.
Insulation Resistance: $10\text{M}\Omega$ (Min.)
Hi-Pot test: 300V DC / 0.01 Sec

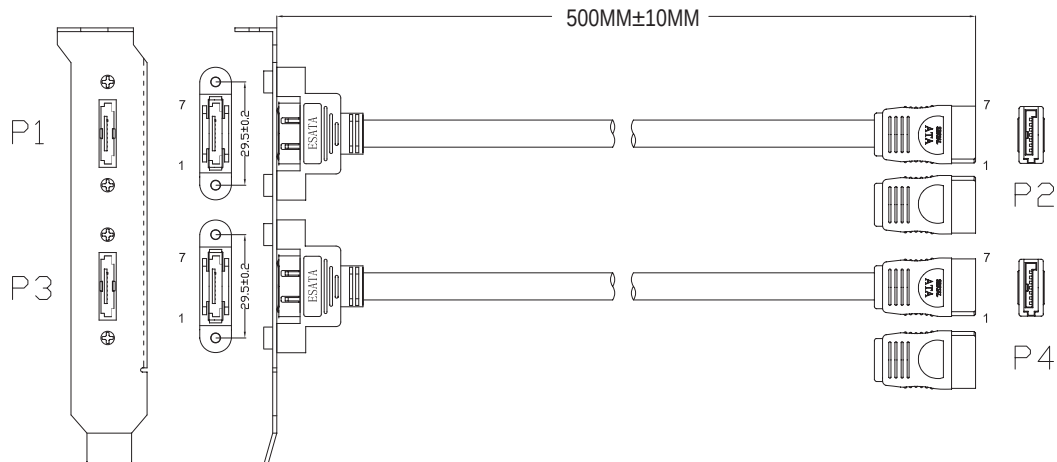


Unit: MM

NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Ports
AK-SATA-SB1-R	1
AK-SATA-SB2-R	2

Slot Bracket - Serial External ATA (eSATA), 1 & 2 port



Material:

Cable: UL2725 26AWG(1/0.404)*2+D(1/0.32)*2+AL
OD: 2.2*7.8MM, Jacket: Red
Connector P1 (&P2): eSATA I 7-pin Male Solder type, GF, Insulator Black metal Shell plate Nickel
Connector P3 (&P4): SATA 7-pin Female Crimp type, GF, Insulator Black
Screw: M3.0*10MM (M3.0 screwcap)

Electrical:

100% Open, Short & Miswire Testing
Conductive Resistance: 2Ω Max.
Insulation Resistance: $5\text{M}\Omega$ (Min.)
Hi-Pot test: 300V DC



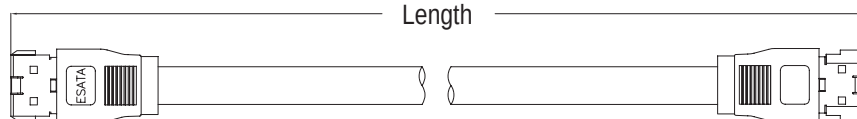
Unit: MM

NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Assmann Part Number (Standard Stocking Item)	Ports
AK-ESATA-SB1-R	1
AK-ESATA-SB2-R	2

Connection cable - eSATA to eSATA, male to male, 0.75-1.50 meter

USB & IEEE
IDC &
Flat Ribbon
& Jumpers
IC, PLCC, Pin
Centronics
DSUB &
Waterproof
DVI & HDMI
Modular
Fiber-Optic
Power Cords
Wire to Board
SATA &
eSATA
FFC/FFC
MiniDIN &
Audio
KVM Cables



P1

P2

Pin Assignment

P1		P2
1	GND	1
2		2
3		3
4	GND	4
5		5
6		6
7	GND	7
SHELL	BRAID	SHELL

Material:

Cable: UL2725 [26AWG(1/0.404)*2F INS:HD-PE+D/W(1/0.32)*2C+AL/MY]*2F
Connectors: eSATA 7-pin female Crimp type
Tube: Heat shrink tube Black ø12MM L 10MM
Acetate: Acetate cloth tape W 10MM * L 40MM
Copper Foil: Double-Sided conductive copper foil 20µ" W 10MM*L 30MM
Outer Jacket: PVC 45P Color Black

Electrical:

100% Open Short & Miswire test
Conductive resistance: 1Ω Max.
Insulation Resistance: 10MΩ/Min.
Hi-Pot Test 300V DC



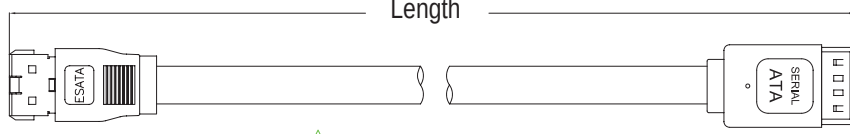
Section A-A
Scale 2:1

NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Unit: MM

Assmann Part Number (Standard Stocking Item)	Length (Meters)
AK-ESATA-075-R	0.75
AK-ESATA-100-R	1.00
AK-ESATA-150-R	1.50

Connection cable - eSATA to SATA, male to male, 1.00 & 1.50 meter



P1

P2

Pin Assignment

P1		P2
1	GND	1
2		2
3		3
4	GND	4
5		5
6		6
7	GND	7
SHELL	BRAID	SHELL

Section A-A
Scale 2:1

Material:

Cable: UL2725 [26AWG(1/0.404)*2F INS:HD-PE+D/W(1/0.32)*2C+AL/MY]*2F
Connectors: eSATA 7-pin male Crimp type / SATA 7-pin male Crimp type
Tube: Heat shrink tube Black ø12MM L 10MM
Acetate: Acetate cloth tape W 10MM * L 40MM
Copper Foil: Double-Sided conductive copper foil 20µ" W 10MM*L 30MM
Outer Jacket: PVC 45P Color Black

Electrical:

100% Open Short & Miswire test
Conductive resistance: 1Ω Max.
Insulation Resistance: 10MΩ/Min.
Hi-Pot Test 300V DC



NOTE: ABOVE LAYOUT MAY CONTAIN VARIANCES. FOR A DETAILED DRAWING PLEASE CALL 1-877-277-6266 OR GO TO WWW.ASSMANN.US

Unit: MM

Assmann Part Number (Standard Stocking Item)	Length (Meters)
AK-ESATA-SATA100-R	1.00
AK-ESATA-SATA150-R	1.50