



E²CS






www.nesteq.net

+12V Power - Plus
Connection
+12V Power Booster Power Boost for PCI-Express & P4/ EPS Connector

- Active PFC
- ATX 2.2
- EPS 2.91
- Power-Plus
- 3-years warranty
- 13.5cm fan
- SLi & Crossfire ready
- Efficiency up to 87%

AC INPUT: 100 - 240V / 8 - 4A*, 10 - 5A**, 12 - 6A*** / 60 - 50Hz

*ECS4001, 4501
 **ECS5001, 6001
 ***ECS7001

DC OUTPUT	+3.3V	+5V	 EPS 8 PIN	 P4 4 PIN	 PCI EXP. 6+2 PIN	+12V _{1/2/3/4}	-12V	+5V _{SB}
400W MODEL NO.: ECS4001	24A	20A	24A	24A	24A	18A / 18A / - / -	1.0A	3.0A
450W MODEL NO.: ECS4501	24A	20A	29A	29A	29A	18A / 18A / - / -	1.0A	3.0A
500W MODEL NO.: ECS5001	24A	24A	30A	30A	30A	20A / 20A / - / -	1.0A	3.0A
600W MODEL NO.: ECS6001	24A	20A	35A	35A	40A	16A / 16A / 16A / 16A	1.0A	3.0A
700W MODEL NO.: ECS7001	24A	30A	40A	40A	48A	18A / 18A / 18A / 18A	1.0A	3.0A

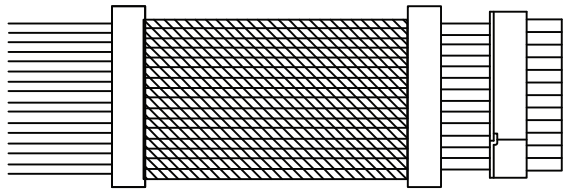
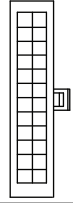
Measurements H x W x D: 85mm x 140mm x 160mm

Protection: OVP (Over-Voltage-Protection), OCP (Over-Current-Protection), OTP (Over-Temperature-Protection), OPP (Over-Power-Protection), SCP (Short-Circuit-Protection), UVP (Under-Voltage-Protection)

Scope of Supply: 1 x NesteQ EECS Power Supply, 1 x Power cord, 4 x Screws, 1 x Manual, 1 x EECS Cable Package (Extension cable, SATA Cable, 4Pin HDD Cable, FDD Cable), 10 x Cable ties



ATTACHED CABLES

ATX 20/24-PIN

1x  

ORANGE	+3.3V	ORANGE	+3.3V
ORANGE	+3.3V	BLUE	-12V
BLACK	GND	BLACK	GND
RED	+5V	GREEN	PS-ON
BLACK	GND	BLACK	GND
RED	+5V	BLACK	GND
BLACK	GND	BLACK	GND
GREY	PW-OK	WHITE	NC
PURPLE	+5Vsb	RED	+5V
YELLOW	+12V1	RED	+5V
YELLOW	+12V1	RED	+5V
ORANGE	+3.3V	BLACK	GND

600 mm

EPS 8-PIN **1x**  

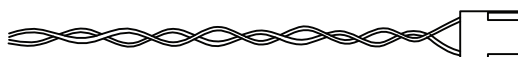
P4 4-PIN

YELLOW/BLACK	+12V1&V2	BLACK	GND
YELLOW/BLACK	+12V1&V2	BLACK	GND

BLACK	GND	YELLOW	+12V1&V2
BLACK	GND	YELLOW	+12V1&V2
BLACK	GND	YELLOW/BLACK	+12V1&V2
BLACK	GND	YELLOW/BLACK	+12V1&V2

100 mm

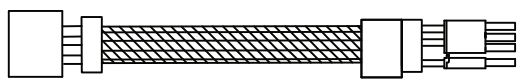
500 mm

FAN RPM CONNECTOR **1x** 

WHITE	-5V		
NC			
BLACK	GND		

500 mm

ENHANCED EASY CONNECTING SYSTEM (VARIABLE CABLES)

PCI-EXPRESS GRAPHICS CONNECTOR 6/8-PIN **1x** 

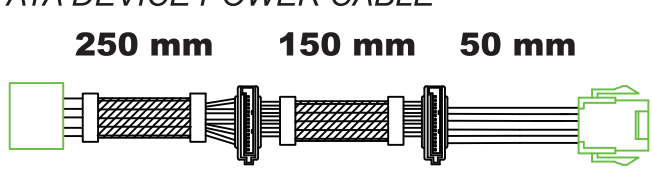
YELLOW/BLACK	+12V1&V2	BLACK	GND
YELLOW/BLACK	+12V1&V2	BLACK	GND
YELLOW/BLACK	+12V1&V2	BLACK	GND
BLACK	GND	BLACK	GND

500 mm

FLOPPY DISK DRIVE CONNECTOR 4-PIN **2x** 

YELLOW	+12V1		
BLACK	GND		
BLACK	GND		
RED	+5V		

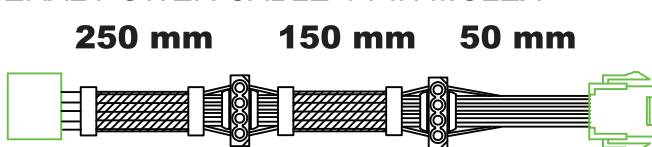
50 mm

SERIAL ATA DEVICE POWER CABLE **2x** 

BLACK	GND	YELLOW	+12V1
BLACK	GND	BLACK	GND
NC	GND	RED	+5V
	GND	BLACK	GND
		ORANGE	+3.3V

YELLOW	+12V
RED	+5V
ORANGE	+3.3V

450 mm

PERIPHERAL POWER CABLE 4-PIN MOLEX **2x** 

BLACK	GND	YELLOW	+12V1
BLACK	GND	BLACK	GND
NC	GND	RED	+5V
	GND		

YELLOW	+12V1
RED	+5V
ORANGE	+3.3V

450 mm

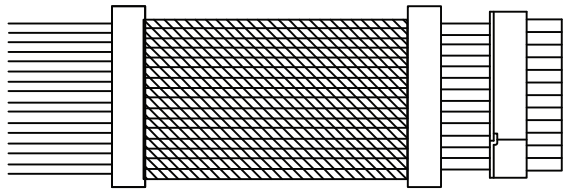
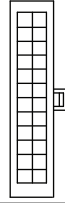
EXTENSION CABLE **1x** 

BLACK	GND	YELLOW	+12V
BLACK	GND	RED	+5V
NC	GND	ORANGE	+3.3V

400 mm


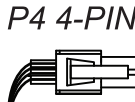
ATTACHED CABLES

ATX 20/24-PIN

1x  

ORANGE	+3.3V	ORANGE	+3.3V
ORANGE	+3.3V	BLUE	-12V
BLACK	GND	BLACK	GND
RED	+5V	GREEN	PS-ON
BLACK	GND	BLACK	GND
RED	+5V	BLACK	GND
BLACK	GND	BLACK	GND
GREY	PW-OK	WHITE	NC
PURPLE	+5Vsb	RED	+5V
YELLOW	+12V1	RED	+5V
YELLOW	+12V1	RED	+5V
ORANGE	+3.3V	BLACK	GND

600 mm

EPS 8-PIN **1x**  


P4 4-PIN

YELLOW/BLACK	+12V1&V2	BLACK	GND
YELLOW/BLACK	+12V1&V2	BLACK	GND

BLACK	GND	YELLOW	+12V1&V2
BLACK	GND	YELLOW/BLACK	+12V1&V2
BLACK	GND	YELLOW/BLACK	+12V1&V2

100 mm

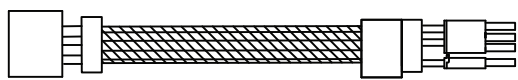
500 mm

FAN RPM CONNECTOR **1x** 

WHITE	-5V		
NC			
BLACK	GND		

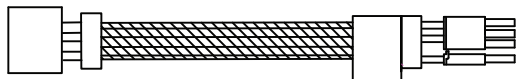
500 mm

ENHANCED EASY CONNECTING SYSTEM (VARIABLE CABLES)

PCI-EXPRESS GRAPHICS CONNECTOR 6/8-PIN **1x** 


YELLOW/BLACK	+12V1&V2	BLACK	GND
YELLOW/BLACK	+12V1&V2	BLACK	GND
YELLOW/BLACK	+12V1&V2	BLACK	GND
BLACK	GND	BLACK	GND

500 mm

PCI-EXPRESS GRAPHICS CONNECTOR 6/8-PIN **1x** 

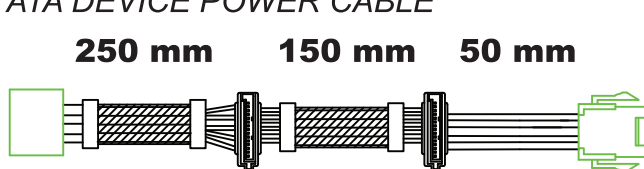
YELLOW/BLACK	+12V1&V2	BLACK	GND
YELLOW/BLACK	+12V1&V2	BLACK	GND
YELLOW/BLACK	+12V1&V2	BLACK	GND
BLACK	GND	BLACK	GND

500 mm

FLOPPY DISK DRIVE CONNECTOR 4-PIN **2x** 

YELLOW	+12V1		
BLACK	GND		
BLACK	GND		
RED	+5V		

50 mm

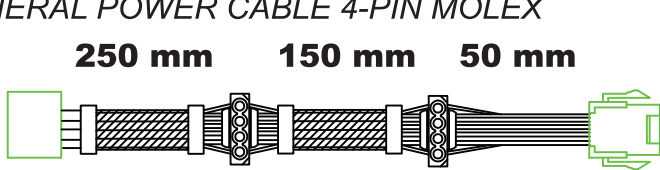
SERIAL ATA DEVICE POWER CABLE **3x** 

250 mm **150 mm** **50 mm**

BLACK	GND	YELLOW	+12V1
BLACK	GND	RED	+5V
NC	GND	BLACK	GND
		ORANGE	+3.3V

YELLOW	+12V
RED	+5V
ORANGE	+3.3V

450 mm

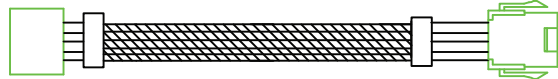
PERIPHERAL POWER CABLE 4-PIN MOLEX **3x** 

250 mm **150 mm** **50 mm**

BLACK	GND	YELLOW	+12V1
BLACK	GND	BLACK	GND
NC	GND	RED	+5V

YELLOW	+12V
RED	+5V
ORANGE	+3.3V

450 mm

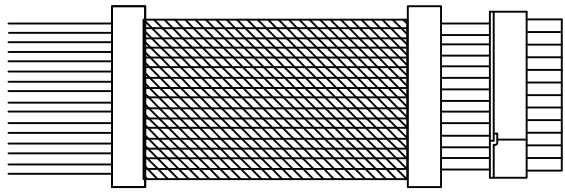
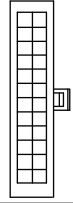
EXTENSION CABLE **2x** 

BLACK	GND	YELLOW	+12V
BLACK	GND	RED	+5V
NC	GND	ORANGE	+3.3V

400 mm

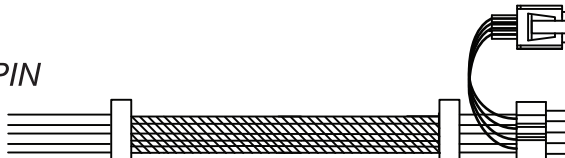
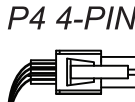
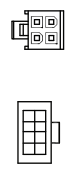
ATTACHED CABLES

ATX 20/24-PIN

1x  

ORANGE	+3.3V	ORANGE	+3.3V
ORANGE	+3.3V	BLUE	-12V
BLACK	GND	BLACK	GND
RED	+5V	GREEN	PS-ON
BLACK	GND	BLACK	GND
RED	+5V	BLACK	GND
BLACK	GND	BLACK	GND
GREY	PW-OK	WHITE	NC
PURPLE	+5Vsb	RED	+5V
YELLOW	+12V1	RED	+5V
YELLOW	+12V1	RED	+5V
ORANGE	+3.3V	BLACK	GND

600 mm



EPS 8-PIN **1x**   

YELLOW/BLACK	+12V2&V3	BLACK	GND
YELLOW/BLACK	+12V2&V3	BLACK	GND

BLACK	GND	YELLOW	+12V1-V4
BLACK	GND	YELLOW	+12V1-V4
BLACK	GND	YELLOW/BLACK	+12V1-V4
BLACK	GND	YELLOW/BLACK	+12V1-V4

100 mm

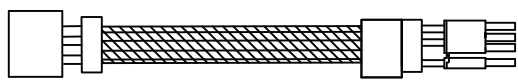

500 mm

FAN RPM CONNECTOR **1x**  

WHITE	-5V
NC	
BLACK	GND

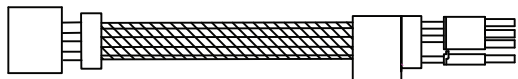

500 mm

ENHANCED EASY CONNECTING SYSTEM (VARIABLE CABLES)

PCI-EXPRESS GRAPHICS CONNECTOR 6/8-PIN **1x**  

YELLOW/BLACK	+12V2-V4	BLACK	GND
YELLOW/BLACK	+12V2-V4	BLACK	GND
YELLOW/BLACK	+12V2-V4	BLACK	GND
BLACK	GND	BLACK	GND

500 mm

PCI-EXPRESS GRAPHICS CONNECTOR 6/8-PIN **1x**  

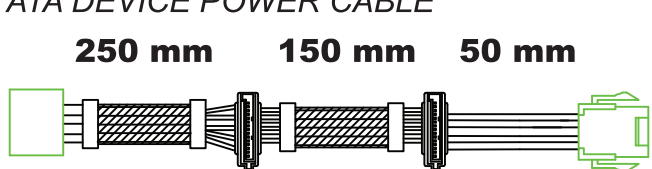
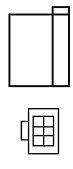
YELLOW/BLACK	+12V2-V4	BLACK	GND
YELLOW/BLACK	+12V2-V4	BLACK	GND
YELLOW/BLACK	+12V2-V4	BLACK	GND
BLACK	GND	BLACK	GND

500 mm

FLOPPY DISK DRIVE CONNECTOR 4-PIN **2x**  

YELLOW	+12V1
BLACK	GND
BLACK	GND
RED	+5V

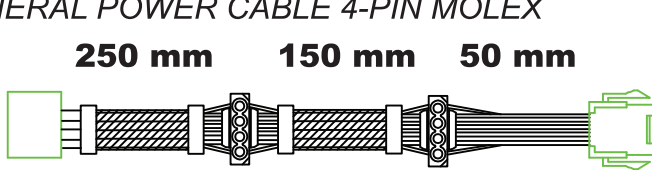
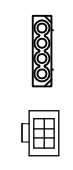
50 mm

SERIAL ATA DEVICE POWER CABLE **3x**  

BLACK	GND	YELLOW	+12V1
BLACK	GND	RED	+5V
NC		BLACK	GND
		ORANGE	+3.3V

YELLOW	+12V
RED	+5V
ORANGE	+3.3V

450 mm

PERIPHERAL POWER CABLE 4-PIN MOLEX **3x**  

BLACK	GND	YELLOW	+12V1
BLACK	GND	RED	+5V
NC		ORANGE	+3.3V

YELLOW	+12V
RED	+5V
ORANGE	+3.3V

450 mm

EXTENSION CABLE **2x**  

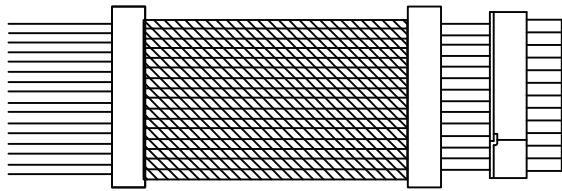
BLACK	GND	YELLOW	+12V
BLACK	GND	RED	+5V
NC		ORANGE	+3.3V

400 mm

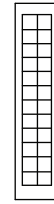
ATTACHED CABLES

ATX 20/24-PIN

1x



ORANGE +3.3V
ORANGE +3.3V
BLACK GND
RED +5V
BLACK GND
RED +5V
BLACK GND
GREY PW-OK
PURPLE +5Vsb
YELLOW +12V1
YELLOW +12V1
ORANGE +3.3V

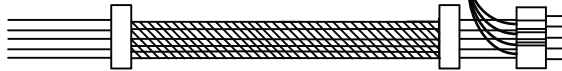


ORANGE +3.3V
BLUE -12V
BLACK GND
GREEN PS-ON
BLACK GND
BLACK GND
BLACK GND
WHITE NC
RED +5V
RED +5V
RED +5V
BLACK GND

600 mm

EPS 8-PIN

1x



P4 4-PIN

YELLOW/BLACK +12V2&V3
YELLOW/BLACK +12V2&V3



BLACK GND
BLACK GND

100 mm

BLACK GND
BLACK GND
BLACK GND
BLACK GND



YELLOW +12V1-V4
YELLOW +12V1-V4
YELLOW/BLACK +12V1-V4
YELLOW/BLACK +12V1-V4

500 mm

FAN RPM CONNECTOR

1x



WHITE -5V
NC
BLACK GND

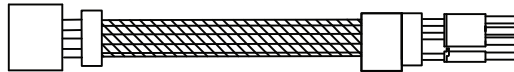


500 mm

ENHANCED EASY CONNECTING SYSTEM (VARIABLE CABLES)

PCI-EXPRESS GRAPHICS CONNECTOR 6/8-PIN

1x



YELLOW/BLACK +12V2-V4
YELLOW/BLACK +12V2-V4
YELLOW/BLACK +12V2-V4
BLACK GND

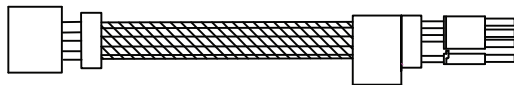


BLACK GND
BLACK GND
BLACK GND
BLACK GND

500 mm

PCI-EXPRESS GRAPHICS CONNECTOR 6/8-PIN

1x



YELLOW/BLACK +12V2-V4
YELLOW/BLACK +12V2-V4
YELLOW/BLACK +12V2-V4
BLACK GND

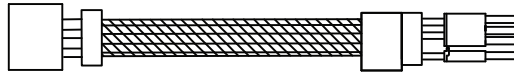


BLACK GND
BLACK GND
BLACK GND
BLACK GND

500 mm

PCI-EXPRESS GRAPHICS CONNECTOR 6/8-PIN

1x



YELLOW/BLACK +12V2-V4
YELLOW/BLACK +12V2-V4
YELLOW/BLACK +12V2-V4
BLACK GND

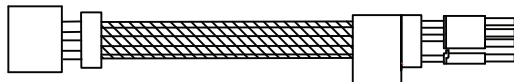


BLACK GND
BLACK GND
BLACK GND
BLACK GND

500 mm

PCI-EXPRESS GRAPHICS CONNECTOR 6/8-PIN

1x



YELLOW/BLACK +12V2-V4
YELLOW/BLACK +12V2-V4
YELLOW/BLACK +12V2-V4
BLACK GND

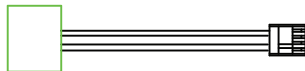


BLACK GND
BLACK GND
BLACK GND
BLACK GND

500 mm

FLOPPY DISK DRIVE CONNECTOR 4-PIN

4x



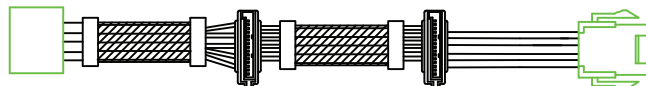
YELLOW +12V1
BLACK GND
BLACK GND
RED +5V

50 mm

SERIAL ATA DEVICE POWER CABLE

250 mm 150 mm 50 mm

5x



BLACK GND
BLACK GND
NC GND



YELLOW +12V1
BLACK GND
RED +5V
BLACK GND
ORANGE +3.3V



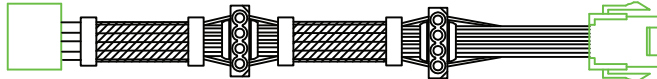
YELLOW +12V
RED +5V
ORANGE +3.3V

450 mm

PERIPHERAL POWER CABLE 4-PIN MOLEX

250 mm 150 mm 50 mm

5x



BLACK GND
BLACK GND
NC GND



YELLOW +12V1
BLACK GND
BLACK GND
RED +5V

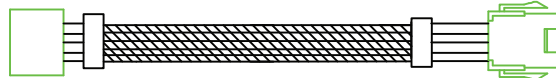


YELLOW +12V
RED +5V
ORANGE +3.3V

450 mm

EXTENSION CABLE

4x



BLACK GND
BLACK GND
NC GND



YELLOW +12V
RED +5V
ORANGE +3.3V

400 mm