



Туре	Copper and optical fiber			
Devices	Storage devices			
Connector	Mini DisplayPort			
Features	High speed transfer rate			
	Bit rate: 10 Gbps			
	Max length of cables : 100 mt			
	Thunderbolt 2: 20 Gbps			
	Protocol : 4× PCI Express 2.0,[4] DisplayPort 1.1a			
Pin out		T		
	Pin 1	GND	Ground	
	Pin 2	HPD	Hot plug detect	
	Pin 3	HS0TX(P)	HighSpeed transmit 0 (positive)	
	Pin 4	HSORX(P)	HighSpeed receive 0 (positive)	
	Pin 5	HS0TX(N)	HighSpeed transmit 0 (negative)	
	Pin 6	HSORX(N)	HighSpeed receive 0 (negative)	
	Pin 7	GND	Ground	
	Pin 8	GND	Ground	
	Pin 9	LSR2P TX	LowSpeed transmit	
	Pin 10	GND	Ground (reserved)	
	Pin 11	LSP2R RX	LowSpeed receive	
	Pin 12	GND	Ground (reserved)	
	Pin 13	GND	Ground	
	Pin 14	GND	Ground	
	Pin 15	HS1TX(P)	HighSpeed transmit 1 (positive)	
	Pin 16	HS1RX(P)	HighSpeed receive 1 (positive)	
	Pin 17	HS1TX(N)	HighSpeed transmit 1 (negative)	
	Pin 18	HS1RX(N)	HighSpeed receive 1 (negative)	
	Pin 19	GND	Ground	
	Pin 20	DPPWR	Power	
	It transfers data in serial way, as we can see in the pinout table, with 4 couples of send			
	and receive lines.			
Other	someone say	someone says that this cable is called "thunderbolt" for joking Usain Bolt, world		
information	record runner of 100 mt, because the data can run faster than him!			