



USB 3.0 Overview



USB 3.0

- First spec released on 11/16/08
- 10 times faster than the USB 2.0
 - 4.8 Gbps data rate
- Backward compatible
- True duplex
- Faster charging to peripherals
- Less laptop power drain
- Optional fiber connections



USB 3.0

- The high speed allows computer to external HD backup almost instantly

- For a 80 GB hard drive with 25 GB data, the backup time thru a USB port to an external drive is:

- USB 1.1: 9 hours
- USB 2.0: 14 minutes
- USB 3.0: 70 seconds

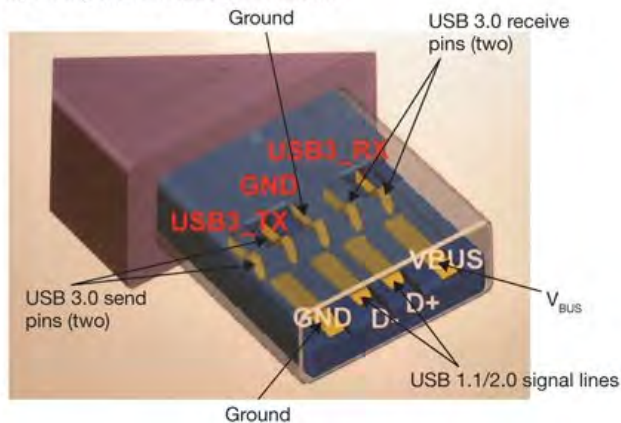


- This also allows super fast HD movie download

USB 3.0

- Backwards compatible
 - USB 3.0 cables can plug in any older devices with USB 2.0 or 1.1 ports
- Optional fiber connections

b) Pin layout for USB 3.0 connector

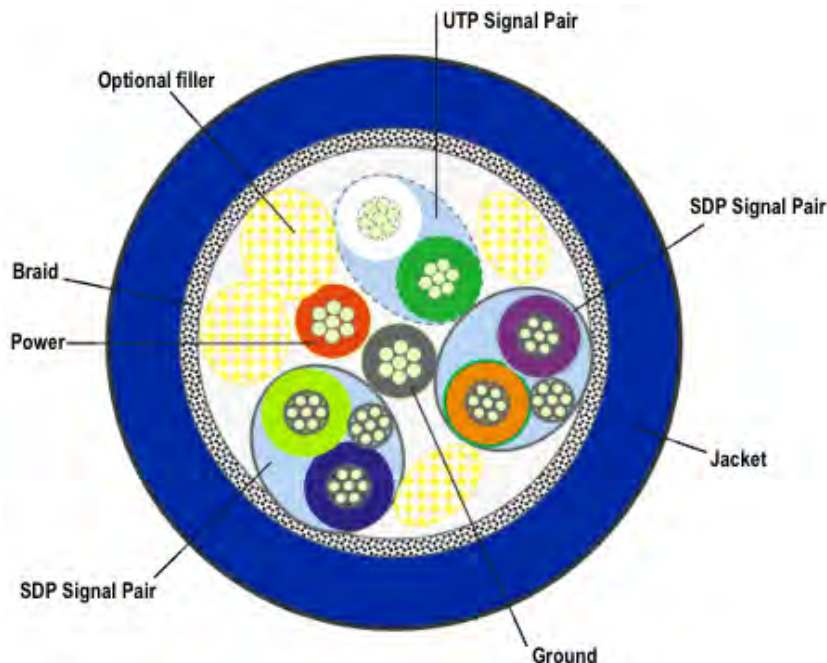


USB 3.0

- But the super high data rate posts challenges to max cable length

- The max length in spec is only 10'

- We have the knowhow and technologies to extend the max length to 100'!





Thank You

