

Appendix B SCSI Cable Specifications

The recommended SCSI cable for an Ultra2 Wide SCSI-2 operating at a transfer rate of 80 Mbytes/sec. is described below.

Electrical	
Impedance	110Ω
Capacitance	15.9 pf / ft @ 1MHz
Propagation Delay	1.59ns / ft nom
DC Resistance	95Ω / 1000 ft @ 20_C
Delay Skew	0.035ns / ft (max.)

SCSI Standards, Cable Length and Corresponding Maximum Possible Drive Connections

	Single-Ended	Differential	Ultra2	Maximum Devices
SCSI-1	6 m	25 m	-	8
SCSI-2	3 m	25 m	-	8
Wide SCSI-2	3 m	25 m	-	16
Ultra SCSI-2	1.5 m	25 m	-	8
Ultra SCSI-2	3m	-	-	4
Ultra Wide SCSI-2	-	25 m	-	16
Ultra Wide SCSI-2	1.5 m	-	-	8
Ultra Wide SCSI-2	3 m	-	-	4
Ultra2 Wide SCSI	-	-	12 m	16

SCSI Bus Width and Maximum Throughput

	Bus Width	SCSI Bus Sync. Frequency	Max. Bus Throughput
SCSI-1	8-bit	Asynchronous	5 MB/Sec
(Fast) SCSI-2	8-bit	10 Mhz	10 MB/Sec
(Fast) Wide SCSI-2	16-bit	10 Mhz	20 MB/Sec
Ultra SCSI-2	8-bit	20 Mhz	20 MB/Sec
Ultra Wide SCSI-2	16-bit	20 Mhz	40 MB/Sec
Ultra2 Wide SCSI	16-bit	40 Mhz	80MB/Sec