

Averages

HM-JW
 Test Config: Cat 6 HD Channel
 Cable MFG: All
 Standards Version: 5.12D
 Software Version: 3.9
 FAULT ANOMALY THRESHOLD: 15%
 NVP: 69%

Test Standard: TIA Cat 6 Channel
 Cable Type: UTP 100 Ohm Cat 6
 FLUKE DSP-4000
 FLUKE DSP-4000SR

Test	TIA Cat 6 Channel	Cat 6 HD Channel Performance @ 250MHz with All Cable Partners																		
		Coleman	Coleman Plenum	Condumex	Draka	Elite	General Command Linx 6	Genesis	Genesis Plus Plenum	HCM Plus	HCM Plus Plenum	HCM Supra	HCM Supra Plenum	Quabbin	Remees	Remees Plenum	Superior Essex Datagain	Superior Essex Datagain Plenum	Superior Essex Nextgain	Superior Essex Nextgain Plenum
Attenuation(dB)	35.9	27.2	29.1	27.2	28.8	27.4	24.9	27.9	26.9	26.6	28.0	26.4	27.7	27.1	27.9	28.5	27.9	27.0	27.1	28.5
NEXT(dB)	33.1	40.3	40.5	40.6	39.8	40.1	38.4	39.2	38.0	40.1	40.4	41.5	41.9	38.2	40.1	40.4	40.1	40.5	40.3	41.1
ACR(dB)*	-2.8	13.1	12.1	13.4	11.5	14.6	14.3	12.6	13.5	14.6	13.9	15.5	15.0	11.1	12.2	12.3	12.9	14.1	13.4	12.9
RL(dB)	8.0	16.7	17.8	18.0	20.9	19.7	17.7	18.6	17.2	19.4	19.6	20.2	18.4	18.1	17.4	19.5	18.9	19.5	19.2	18.5
PSNEXT(dB)	30.2	37.3	36.9	39.2	36.5	37.9	35.0	36.2	36.3	37.1	36.9	38.8	40.4	35.7	37.8	37.5	36.8	37.7	36.0	37.0
PSACR(dB)*	-5.7	10.1	8.1	12.1	7.7	11.7	10.8	8.8	11.2	11.3	10.4	12.4	13.5	8.6	10.3	9.4	8.9	11.0	9.1	8.5
ELFEXT(dB)	15.3	26.6	26.8	29.5	23.9	26.8	22.7	25.0	22.9	28.8	24.1	29.6	23.9	23.4	26.9	24.3	27.6	28.9	26.3	25.8
PSELFEXT(dB)	12.3	24.5	23.5	26.6	21.7	24.1	20.7	22.4	22.0	25.1	22.6	27.1	22.6	21.1	24.7	20.9	24.9	25.5	23.1	24.3
Length (m)	100.0	84.0	80.7	86.3	80.3	83.6	81.1	84.2	78.6	84.4	83.4	85.4	81.5	84.8	83.2	78.8	82.5	79.2	81.3	79.4
Impedance (ohms)	85-115	109.0	109.0	109.0	109.0	109.0	108.0	109.0	109.0	110.0	108.0	109.0	109.0	110.0	109.0	109.0	108.0	109.0	108.0	109.0
Prop. Delay (ns)	555.0	421.0	403.0	435.0	406.0	421.0	411.0	423.0	395.0	431.0	420.0	435.0	416.0	420.0	418.0	397.0	414.0	397.0	412.0	398.0
Delay Skew (ns)	50.0	15.0	13.0	18.0	18.0	17.0	19.0	16.0	15.0	23.0	17.0	22.0	22.0	10.0	16.0	16.0	15.0	14.0	19.0	14.0
BandWidth (MHz)*	225.5	350+	324.0	350+	325.5	350+	350+	344.0	350+	347.5	350+	350+	350+	349.5	342.5	344.0	347.5	342.5	350+	349.5
BandWidth 4pr (MHz)*	202.5	331.5	312.0	350+	316.5	344.0	350+	316.5	350+	338.5	320.5	349.0	337.0	324.0	334.0	322.5	321.0	319.0	322.0	318.0

* These values are calculated from the TIA Cross Talk and Attenuation limits and results. They are not specified in the 568 standards. A value of 350MHz means that the bandwidth is equal to or greater than 350MHz.