

Averages

**HM-JW**

Test Config: Cat 6EZ Perm Link  
 Cable MFG: All  
 Standards Version: 5.12D  
 Software Version: 3.9  
 FAULT ANOMALY THRESHOLD: 15%  
 NVP: 69%

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

Test	TIA Cat 6 Perm. Link	Cat 6EZ Perm Link 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)	31.1	25.0	26.7	24.7	27.0	25.1	22.9	25.3	25.1	24.4	25.2	23.9	25.4	23.9	25.4	25.7	25.6	24.8	25.1	26.0	
NEXT(dB)	35.3	39.7	38.7	39.6	36.0	38.8	39.2	39.0	39.6	39.1	39.0	39.3	38.8	37.1	38.1	37.5	40.0	38.7	39.4	39.3	
ACR(dB)*	4.2	15.0	12.0	16.0	9.6	13.7	16.3	13.7	14.5	15.2	13.8	15.4	13.7	13.1	13.7	12.1	15.0	14.6	15.0	13.3	
RL(dB)	10.0	21.2	20.2	17.9	17.6	18.3	17.8	19.4	21.2	20.5	21.2	20.9	21.2	17.7	24.6	22.7	22.1	20.8	20.2	21.3	
PSNEXT(dB)	32.7	35.9	36.0	35.9	34.7	35.6	36.8	36.2	35.9	35.3	36.4	36.0	36.1	34.0	35.9	34.3	36.7	35.6	36.4	35.7	
PSACR(dB)*	1.6	11.2	9.3	12.3	8.3	10.5	13.9	10.9	10.8	11.4	11.2	12.1	11.0	9.2	11.5	8.9	11.7	11.5	12.0	9.7	
ELFEXT(dB)	16.2	30.0	30.8	30.0	27.7	27.9	26.6	27.1	27.7	26.2	28.7	31.1	29.6	25.8	28.4	25.4	32.1	29.0	27.9	32.0	
PSELFEXT(dB)	13.2	27.2	27.1	27.7	25.8	26.7	24.5	26.2	26.5	25.0	26.7	27.6	26.8	24.6	25.4	23.9	30.1	25.8	24.9	29.3	
Length (m)	90.0	77.8	74.5	80.1	74.3	77.6	75.1	78.0	72.8	78.2	77.2	79.4	75.3	76.7	77.2	73.0	76.5	73.2	75.3	73.4	
Impedance (ohms)	85-115	109.0	110.0	112.0	104.0	106.0	109.0	107.0	108.0	108.0	106.0	107.0	111.0	109.0	111.0	111.0	105.0	109.0	109.0	110.0	
Prop. Delay (ns)	498.0	391.0	372.0	405.0	376.0	391.0	380.0	392.0	365.0	401.0	390.0	407.0	387.0	382.0	388.0	368.0	384.0	367.0	382.0	368.0	
Delay Skew (ns)	44.0	15.0	12.0	18.0	17.0	16.0	17.0	15.0	13.0	23.0	17.0	23.0	23.0	11.0	15.0	15.0	14.0	13.0	18.0	13.0	
BandWidth (MHz)*	225.5	315.5	311.0	322.5	304.0	316.5	330.0	317.0	312.5	321.0	318.5	327.0	316.0	323.0	317.5	312.5	317.0	318.0	320.5	310.5	
BandWidth 4pr (MHz)*	202.5	307.5	299.5	312.0	296.0	310.5	321.0	310.0	307.5	313.0	307.5	318.0	304.5	312.0	301.5	301.5	306.5	307.0	306.0	302.5	

\* 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.