

Digi-Link P500 Cat6+ Cabling Systems



Description

Headroom that significantly exceeds proposed Category 6+ Specifications.

Channel Performance specifications exceed not only the TIA 568B.2-1 & ISO 11801 Category Class E cabling systems but also are capable of providing stable and continual performance up to 500 MHz. Digi-Link P500 System, when installed by a Digi-Link Certified Cabling Engineer (DCCE), attracts a 20 year Performance Warranty on the entire system.

Benefits and Features

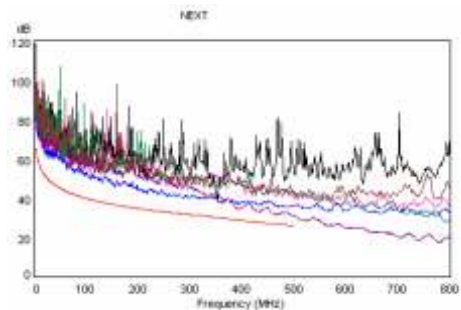
- ✓ Performance optimized to 500 MHz for Channel
- ✓ Performance guaranteed to meet or exceed Category 6/Class E Channel Specifications to 250 MHz to Exhibits a minimum of 6 times more headroom/margin than that specified by standards in a Channel at 250 MHz.
- ✓ The uniquely designed keystone jacks exhibit higher margin and performance than the existing products in the same category. These jacks are designed to give Extreme Performance in Channel and reduce the noise induced by adjacent cables (AXTALK). This system is designed to give you 10Gig performance up to 50 mtr length.
- ✓ Supports IEEE 802.3 1000BASE-T, TIA-854-A 1000BASE-TX, ATM, other legacy LANs and applications (Video, BAS)
- ✓ Backward compatible with existing Digi-Link cabling and connecting Hardware.

Performance Characteristics TIA/EIA-568-B2-1

FREQUENCY (MHz)	INSERTION LOSS (Attenuation) dB/100m		NEXT (db)		PSNEXT (db)		ELFEXT (db)		PSELFEXT (db)		RETURN LOSS (db)	
	Standard	Digi-Link	Standard	Digi-Link	Standard	Digi-Link	Standard	Digi-Link	Standard	Digi-Link	Standard	Digi-Link
0.72	1.8	1.2	76.0	79.2	74.0	67.0	73.2	78.2	70.0	77.6		25.4
1.00	2.0	1.3	74.3	78.1	72.3	64.8	71.3	77.7	67.8	74.6	19.8	28.2
4.00	3.8	2.8	65.3	71.1	63.3	52.8	62.4	69.3	55.8	64.8	21.6	29.3
8.00	5.3	4.0	60.8	64.0	58.8	46.7	55.3	63.5	49.7	57.8	22.5	29.8
10.00	6.0	4.5	59.3	59.6	57.3	44.8	54.9	59.9	47.8	58.2	22.8	30.4
16.00	7.6	5.8	56.2	61.4	54.2	40.7	50.4	61.2	43.7	52.3	23.4	32.8
20.00	8.5	6.5	54.8	58.4	52.8	38.8	48.9	58.0	41.8	51.0	23.7	34.5
25.00	9.5	7.4	53.3	55.6	51.3	36.8	45.8	54.3	39.8	52.0	24.0	34.8
31.25	10.7	8.2	51.9	52.9	49.9	34.9	42.8	51.2	37.9	51.9	23.0	28.2
62.50	15.4	11.9	47.4	47.6	45.4	28.9	33.3	46.7	31.9	37.9	20.0	25.7
100.00	19.8	15.2	44.3	45.2	42.3	24.8	33.2	42.5	27.8	41.7	18.0	21.8
200.00	29.0	22.1	39.8	40.6	37.8	18.8	23.3	39.0	21.8	26.2	15.0	16.7
250.00	32.8	32.7	38.3	38.5	36.3	16.8	26.3	37.9	19.8	23.9	14.0	15.4
300.00	**	32.0	**	37.4	**	15.3	**	38.0	**	22.5	**	13.2
350.00	**	39.6	**	36.8	**	13.9	**	37.9	**	21.9	**	10.9
400.00	**	32.0	**	37.4	**	15.3	**	38.0	**	22.5	**	13.2
450.00	**	39.6	**	36.8	**	13.9	**	37.9	**	21.9	**	10.9
500.00	**	39.6	**	36.8	**	13.9	**	37.9	**	21.9	**	10.9

** Extrapolated Values

Typical NEXT Loss



Typical Return Loss

