

Part Number: AS-GN0006

Description: 4 PAIR GREY U/FTP CAT6A CABLE BOX 305MTR

## TIA-568-C.2

Freq.	ATTN	RL	NEXT	ELFEXT	PS NEXT	PS ELFEXT
(MHz)	(dB/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)
4	3.8	23.0	66.3	56.0	63.3	53.0
8	5.3	24.5	61.8	49.9	58.8	46.0
10	5.9	25.0	60.3	48.0	57.3	45.0
16	7.5	25.0	57.2	43.9	54.2	40.9
20	8.4	25.0	55.8	42.0	52.8	39.0
25	9.4	24.3	54.3	40.0	51.3	37.0
31.25	10.5	23.6	52.9	38.1	49.9	35.1
62.5	15.0	21.5	48.4	32.1	45.4	29.1
100	19.1	20.1	45.3	28.0	42.3	25.0
200	27.6	18.0	40.8	22.0	37.8	19.0
250	31.1	17.3	39.3	20.0	36.3	17.0
300	34.1	17.3	38.1	18.5	35.1	15.5
500	45.3	17.3	34.8	14.0	31.8	11.0

## TIA Cat 6A Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	$\Omega$	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	65.0	19.1	62.0	64.2	62.0	59.0	61.2
12345678					4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1
					8	5	59.4	21.0	54.4	46.1	57.0	52.1	43.1
12345678S					10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2
12345678S					16	7	54.6	20.0	47.6	40.1	52.2	45.2	37.1
					20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2
					25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2
					31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3
					62.5	14	45.1	16.0	31.1	28.3	42.7	28.6	25.3
					100	18	41.8	14.0	23.9	24.2	39.3	21.3	21.2
					200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2
					250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2
					350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3
					500	43.8	26.7	8.0	-17.1	10.2	23.8	-20	7.2



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