



CAT6A

Construction

Center conductor	4x2x0,573mm (23AWG) BC
Dielectric	PE 1.05mm
Drain	TC
Shielded	AL/PE
Rip	Rip
Outer jacket	PVC

Electrical Performance

Frequency MHz	Attenuation (dB/100m)	Near End Cross Talk (dB)	ACRF (dB/100m) Min	Power Sum (dB)		Return Loss (dB) Min
				NEXT Min	ACRF Min	
1.0	2.1	74.3	67.8	72.3	64.8	20.0
4.0	3.8	65.3	55.8	63.3	52.8	23.0
8.0	5.3	60.8	49.7	58.8	46.7	24.5
10.0	5.9	59.3	47.8	57.3	44.8	25.0
16.0	7.5	56.2	43.7	54.2	40.7	25.0
20.0	8.4	54.8	41.8	52.8	38.8	25.0
25.0	9.4	53.3	39.8	51.3	36.8	24.3
31.25	10.5	51.9	37.9	49.9	34.9	23.8
62.5	15.0	47.4	31.9	45.4	28.9	21.5
100.0	19.1	44.3	27.8	42.3	24.8	20.1
200.0	27.6	39.8	21.8	37.8	18.8	18.0
250.0	31.1	38.3	19.8	36.3	16.8	17.3
300.0	34.3	37.1	18.3	35.1	15.3	16.8
400.0	40.1	35.3	15.8	33.3	12.8	15.9
500.0	45.3	33.8	13.8	31.8	10.8	15.2

Input Impedance	100 ohms \pm 15 ohms 1-500 MHz	
Capacitance	5.6 nF/100m Max	
DC Resistance/Unbalance	8.00 ohms/100m Max/ 2.5% Max	
Dielectric Breakdown	2500 Volts DC Conductor to Conductor	
Propagation Delay	5.45 nSec/m Max @ 10MHz	
Propagation Delay Skew	\leq 45ns/100m	
Nominal Velocity of Propagation, NVP	10GS4 = 72%	10GNS4 = 69%