

BELKIN®

Cable Specifications	
Part Family	A3L791
Description	CAT 5e UTP Stranded Patch Cable

Standards Compliance	ISO/IEC 11801 TIA/EIA-568-B.2
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Construction		
Conductor	Size	24AWG x 4pairs
	Construction	Bare Stranded Copper
	Conductor Diameter	7.0 / 0.210±0.008mm
Insulation	Ave. Thick.	0.178mm
	Min. Thick	0.153mm
	Diameter	0.950±0.010mm
	Material	HDPE
	Color Codes	1. Orange x White/Orange
		2. Blue x White/Blue
		3. Brown x White/Brown
		4. Green x White/Green
Jacket	Ave. Thick.	0.58mm
	Min. Thick	0.46mm
	Diameter	5.5±0.15mm
	Material	PVC

Electrical & Physical Properties	
Item	24AWG x 4pairs
Rating	75°C, 300V
Conductor Resistance	89.2Ω/km/20°C max
Mutual Capacitance	56pF/m max
Dielectric Strength	AC 1.75kV/0.15sec
Spark Test	AC 1.75kV/0.15sec
Flame Retardant Test	CM
Characteristic Impedence	100±15Ω @ 1 ~ 100MHz
Structural Return Loss	19.0dB min at 100MHz
Propagation Delay	538nS/100m max @ 100MHz

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Electrical Performance								
Frequency	Attenuation / Insertion Loss (min)	NEXT (min)	VOP	PSNEXT (min)	ELFEXT (min)	PSELFEXT (min)	Return Loss (min)	Delay
(MHz)	(dB/100m)	(dB)	(%)	(dB)	(dB)	(dB/100m)	(dB)	(ns/100m)
1.0	2.4	65.3	63.0	62.3	63.0	60.8	20.0	570.0
4.0	4.9	56.3	51.0	53.3	51.7	48.7	23.0	552.0
8.0	7.0	51.8	45.0	48.8	45.7	42.7	24.5	546.7
10.0	7.8	50.3	43.0	47.3	43.8	40.8	25.0	545.4
16.0	9.8	47.3	38.0	44.4	39.7	36.7	25.0	543.0
20.0	11.1	45.8	35.0	42.8	37.7	34.7	25.0	542.0
25.0	12.5	44.3	32.0	41.3	35.8	32.8	24.2	541.2
31.3	14.0	42.9	29.0	39.9	33.9	30.9	23.3	540.4
62.5	20.4	38.4	18.0	35.4	27.8	24.8	20.7	538.6
100.0	26.4	35.3	9.0	32.3	23.8	20.8	19.0	538.0

