

Datasheet

Patchkabel U/UTP Cat6 certified, 100% copper

100% Copper



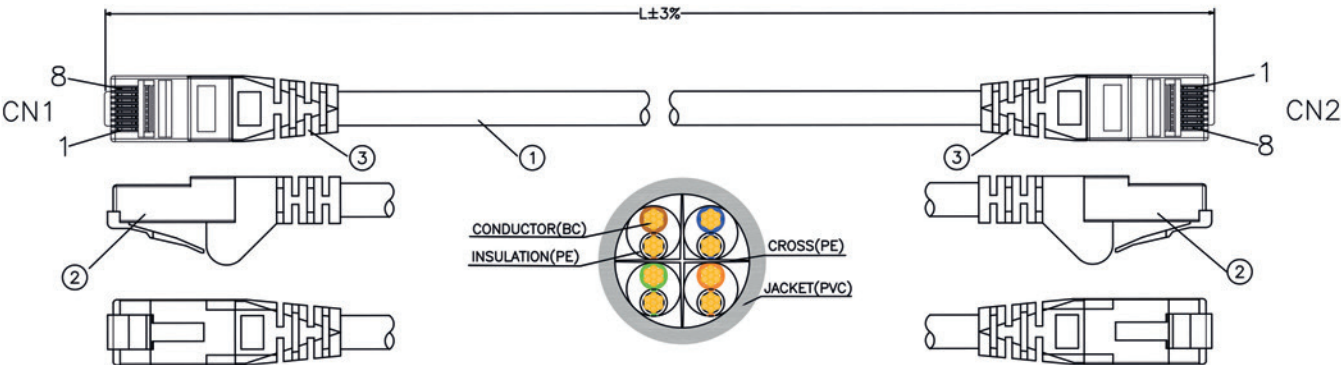
Length	Grey	Black	Red	Yellow	Green	Blue
0,25M	24918	24920	24925	24931	24938	24941
0,50M	20366	21876	16373	18378	16371	22032
1,00M	17870	19282	16374	12752	17874	22070
1,50M	12750	24921	24926	24074	16370	24942
2,00M	12751	21765	20368	24932	14530	14531
3,00M	17871	14891	16375	24933	16372	22033
5,00M	17872	14915	16517	24522	14532	14533
7,50M	17259	22072	22071	24934	16520	22075
10,0M	17873	19283	24927	24523	17875	22034
15,0M	20365	24922	24928	24935	20975	22035
20,0M	21205	24923	24929	24936	24939	24075
30,0M	20762	24924	24930	24937	24940	24943
50,0M	24919					

Basic Product Data

Outer Shielding	None
Inner Shielding	None
Connector	RJ45 8P8C PLUG
CMP/CMR	CM
Mutual Capacitance	560pF/100m Max
Characteristic Impedance	100±15Ω
Conductor DC Resistance (Ω/100m)	MAX 9.91Ω/100m at 20°C
Voltage (vAC/vDC)	300V
Delay Skew	50ns/100m max. 1~100MHz
Propagation Delay	555ns/100m max
Nominal Velocity of Propagation	69,0%
Operating Temperature (° C)	-20° C ~60° C
Storage Temperature (° C)	-20° C ~60° C
Bend Radius	4D min
Conductor Materials	BARE COPPER
Insulation Materials	HD-PE
Jacket Materials	PVC
UL Listed	Yes

Performance Characteristics

Frequency (MHz)	Insertion Loss (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSSELFEXT (dB)	Return Loss (dB)	ACR (dB)	PS ACR (dB)
		Minimum / Typical	Minimum / Typical	Minimum / Typical	Minimum / Typical		Minimum / Typical	Minimum / Typical
1	3	65	62	63.3	60.3	19	62	59
4	4	63	60.5	51.2	48.2	19	59	56.5
8	5.7	58.2	55.6	45.2	42.2	19	52.5	49.9
10	6.3	56.6	54	43.3	40.3	19	50.2	47.7
16	8	53.2	50.6	39.2	36.2	18	45.2	42.6
20	9	51.6	49	37.2	34.2	17.5	42.6	39.9
25	10.1	50	47.3	35.3	32.3	17	39.9	37.2
31.25	11.4	48.4	45.7	33.4	30.4	16.5	37	34.3
62.5	16.5	43.4	40.6	27.3	24.3	14	26.9	24.1
100	21.3	39.9	37.1	23.3	20.3	12	18.6	15.8
200	31.5	34.8	31.9	17.2	14.2	9	3.3	0.3
250	35.9	33.1	30.2	15.3	12.3	8	-2.8	-5.8



MATERIAL LIST:

NO.	PARTS NAME	SPECIFICATION DESCRIPTION
①	CABLE	UTP (26AWG*1PR)*4+PVC OD:4.9±0.3mm COLOR:Assorted upon request
②	RJ45 CONNECTOR	RJ45,8P8C,TWO FORK GOLD PLATED CONTACTS
③	MOLDING PVC	MOLDING PVC 45P COLOR:Assorted upon request

PIN OUT

CN1	WIRE COLOR	CN2
1	ORANGE/WHITE	1
2	ORANGE	2
3	GREEN/WHITE	3
6	GREEN	6
4	BLUE	4
5	BLUE/WHITE	5
7	BROWN/WHITE	7
8	BROWN	8