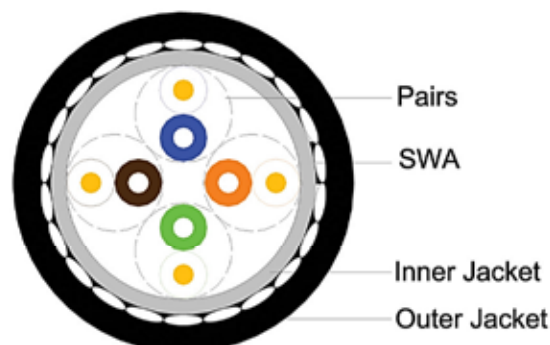


4 Pairs Cat.5e UTP LAN Cable w/SWA

NO: PA-2103K



CROSS SECTION



ELECTRICAL CHARACTERISTICS (20°C)

Reference Standard : TIA/EIA-568-B.2 & ISO/IEC 11801

Test item	Units	Spec
> Max Conductor DC Resistance	Ω/km	≤93.8
> Unbalance of Pair DC Resistance	%	≤2.5
> Dielectric Strength between Pairs	kV/min	≤1.0
> Min Insulation Resistance	MΩ·km	≥5000
> Max Pair Mutual Capacitance	nF/100m	≤5.6
> Max Pair Capacitance Unbalance	pF/100m	≤330
> Impedance (1 to 100MHz)	Ω	100±15

CABLE DESCRIPTION

1 Conductor

Material	BC - Bare Copper
Stranding	Solid
Wire Gage	24AWG
Dia.(+/-0.005mm)	0.495

2 Insulation

Material	HDPE
Dia.(+/-0.05mm)	0.9
Color Code	White/Blue & Blue White/Orange & Orange White/Green & Green White/Brown & Brown

3 Paired

Direction	Right Hand Lay
Length of Lay	< 38 mm

4 Cabling

Order of the Pair	See the Cross Section
Direction	Right Hand Lay

5 Sheath

	Inner	Outer
Inner Material	PVC	LDPE
Inner Thickness(+/-0.05mm)	0.54	1.10
Inner Dia.(+/-0.2mm)	5.0	8.9
Armoured	SWA 0.8*22	

Frequency (MHz)	Min RL (dB)	Max IL (dB/100m)	Min NEXT (dB)	Min PSNEXT (dB)
1	20.0	2.0	65.3	62.3
4	23.0	4.1	56.3	53.3
8	24.5	5.8	51.8	48.8
10	25.0	6.5	50.3	47.3
16	25.0	8.2	47.3	44.2
20	25.0	9.3	45.8	42.8
25	24.3	10.4	44.3	41.3
31.25	23.6	11.7	42.9	39.9
62.5	21.5	17.0	38.4	35.4
100	20.1	22.0	35.3	32.3

Frequency (MHz)	Min ELFEXT (dB)	Min PSELFEXT (dB)	Max Delay (ns/100m)	Max Delay skew (ns/100m)
1	63.8	60.8	570	45
4	51.8	48.8	552	45
8	45.7	42.7	547	45
10	43.8	40.8	545	45
16	39.7	36.7	543	45
20	37.8	34.8	542	45
25	35.8	32.8	541	45
31.25	33.9	30.9	540	45
62.5	27.9	24.9	539	45
100	23.8	20.8	538	45

RoHS GUIDELINE

Cadmium content (Cd)	< 0.01%
Lead content (Pb)	< 0.1%
Mercury content (Hg)	< 0.1%
Chromium (VI) content	< 0.1%
Polybrominated Biphenyls (PBB)	< 0.1%
Polybrominated Diphenyl Ether (PBDE)	< 0.1%

SHEATH MECHANICAL CHARACTERISTICS

Reference Standard : UL 444

Test Material: LDPE

Before	Tensile Strength (Mpa)	≥9.7
Aging	Elongation (%)	≥350
After	Tensile Strength (% of unaged)	≥75
Aging	Elongation (%)	≥75
Cold Bend (-20±°C×4hrs)		No crack
Operating Temperature Range		-20~+70°C
Min Bending Radius (Install)		12×D

Note: The specifications are subjected to change without prior notice.

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Exclusive Distributor in Hong Kong, China and Macau



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