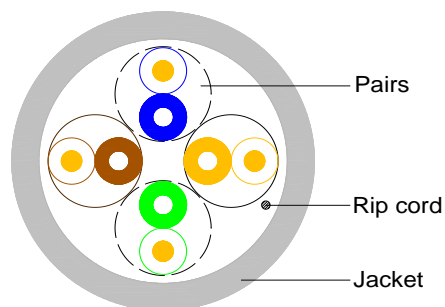


dGLink Kat.5e UTP 305m Hvit LSZH

UTP 4X2X24AWG CAT.5E 100 OHM LSZH

Art.nr.: 11515305

Cross Section



Cable Description

Conductor

Material	Bare Copper
Stranding	Solid
Wire Gage	24AWG
Dia.(+/-0.01mm)	0.50

Insulation

Material	HDPE
Dia.(+/-0.05mm)	0.90
Color Code	WH/BL & BL WH/OG & OG WH/GN & GN WH/BN & BN

Paired

Cabling

Order of the Pair	See the Cross Section
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Outer Sheath :

Material	LSZH
Thickness(+/-0.05mm)	0.54
Dia.(+/-0.3mm)	5.00
Rip cord	200D*3

Mechanical Characteristics

Reference Standard: UL 444

Test Material	LSZH
Before Tensile Strength(Mpa)	≥8.3
Aging Elongation(%)	≥100
After Tensile Strength(% of unaged)	≥75
Aging Elongation(% of unaged)	≥75
Cold Bend(-20±°C×4hrs)	No crack
Operating Temperature Range	-20~+70°C
Min.Bend Radius(Install)	8xD

Revision History

Define by: Bob	Rev: A/3
Prepared by: King	Date: 2018-10-26
Approved by: Gavin	Page: 1 of 1
Part No.: 2103F	

Electrical Characteristics

Reference Standard: ANSI/TIA-568.2-D

Test Item(20°C)

Test Item	Units	Spec
1.Max.Conductor DC Resistance	Ω/km	93.8
2.Max.Unbalance of Pair DC Resistance	%	2.5
3.Dielectric Strength between Pairs	kV/min	DC1.0
4.Min.Insulation Resistance	MΩ·km	5000
5.Max.Pair Mutual Capacitance	nF/100m	5.6
6.Max.Pair Capacitance Unbalance	pF/100m	330
7.Impedance(1 to 100MHz)	Ω	100±15

Frequency (MHz)	Min.RL (dB)	Max.IL (dB/100m)	Min. NEXT(dB)	Min.PS NEXT(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.PS ELFEXT(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 3.0 Guideline

Cadmium content (Cd)	< 0.01%(100ppm)
Lead content (Pb)	<0.1% (1000ppm)
Mercury content (Hg)	<0.1% (1000ppm)
Chromium (VI) content	<0.1% (1000ppm)
Polybrominated Biphenyls (PBB)	<0.1% (1000ppm)
Polybrominated Diphenyl Ether (PBDE)	<0.1% (1000ppm)
Diethyl hexyl phthalate (DEHP)	<0.1% (1000ppm)
Butyl phenyl phthalate (BBP)	<0.1% (1000ppm)
Dibutyl phthalate (DBP)	<0.1% (1000ppm)
Diisobutyl phthalate (DIBP)	<0.1% (1000ppm)

dGroup as

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