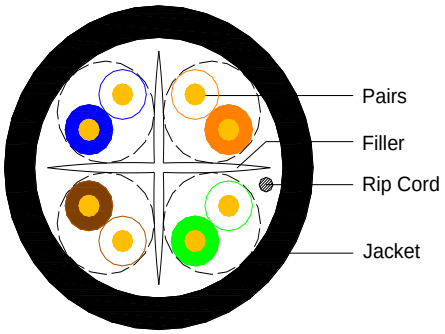
dGLink Systems
Networking made Easy

dGLink Kat.6 UTP Utendørskabel u/fett 305m

UTP 4X2X23AWG CAT.6 LDPE 100 OHM - Without Grease **Art.No.:11516305**

Cross Section



Cable Description

Conductor

Material	Bare Copper
Stranding	Solid
Wire Gage	23AWG
Dia.(+/-0.01mm)	0.56

Insulation

Material	HDPE
Dia.(+/-0.05mm)	1.00
Color Code	WH/BL & BL WH/OG & OG WH/GN & GN WH/BN & BN

Paired

Cabling

Order of the Pair	See the Cross Section

Outer Sheath：

Material	LDPE
Thickness(+/-0.05mm)	0.70
Dia.(+/-0.3mm)	6.50
Rip cord	200D*3

Mechanical Characteristics

Reference Standard：UL 444

Test Material		LDPE
Before Aging	Tensile Strength(Mpa)	⩾9.7
	Elongation(%)	⩾350
After Aging	Tensile Strength(% of unaged)	⩾75
	Elongation(% of unaged)	⩾75
Cold Bend(-20±℃×4hrs)		No crack
Operating Temperature Range		-40~+70℃
Min.Bend Radius(Install)		8×D

Revision History

Define by：Bob	Rev：A/4
Prepared by: King	Date：2018-10-26
Approved by: Gavin	Page：1 of 1
Part No.: 3101Y	

Electrical Characteristics

Reference Standard：ANSI/TIA-568.2-D

Test Item(20℃)	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 250MHz)	Ω	100±15

Frequency (MHz)	Min.RL (dB)	Max.IL (dB/100m)	Min. NEXT(dB)	Min.PS NEXT(dB)
1	20.0	2.0	74.3	72.3
4	23.0	3.8	65.3	63.3
8	24.5	5.3	60.8	58.8
10	25.0	6.0	59.3	57.3
16	25.0	7.6	56.2	54.2
20	25.0	8.5	54.8	52.8
25	24.3	9.5	53.3	51.3
31.25	23.6	10.7	51.9	49.9
62.5	21.5	15.4	47.4	45.4
100	20.1	19.8	44.3	42.3
200	18.0	29.0	39.8	37.8
250	17.3	32.8	38.3	36.3

Frequency (MHz)	Min.ELFEXT (dB)	Min.PS ELFEXT(dB)	Max.Delay (ns/100m)	Max.Delay skew(ns/100m)
1	67.8	64.8	570	45
4	55.8	52.8	552	45
8	49.7	46.7	547	45
10	47.8	44.8	545	45
16	43.7	40.7	543	45
20	41.8	38.8	542	45
25	39.8	36.8	541	45
31.25	37.9	34.9	540	45
62.5	31.9	28.9	539	45
100	27.8	24.8	538	45
200	21.8	18.8	537	45
250	19.8	16.8	536	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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Note: The specifications are subjected to change without prior notice