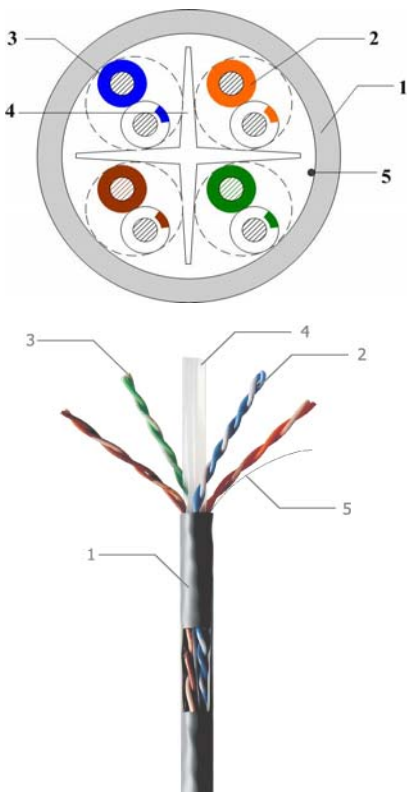


**Description**

- Rated temperature: 75 °C
- Reference standard:UL444,ANSI/TIA-568-C.2 IEC61156-5 & IEC/ISO 11801
- Product standard certification: CM-LP (0.5A)
- Flame test: CM
- Solid bare copper conductor
- Color-coded PE insulation
- PVC jacket
- Packaging: Per customer request

**Application**

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM

**Product Figure**


- |                 |
|-----------------|
| 1. Outer Jacket |
| 2. Insulation   |
| 3. Conductor    |
| 4. Filler       |
| 5. Rip cord     |

**Physical Characteristics**

<b>Structure</b>	Construction	U/UTP
	Number of pairs	4Pair
	AWG	23 AWG
	Conductor dimension (mm)	0.566 +/- 0.02 mm
<b>Insulation</b>	Solid or stranded; bare or tinned	Solid bare copper
	Insulation Material	PE
	Insulation dimension (mm)	1.04 +/- 0.05 mm
	Number colour ( stripe marking)	1.Blue , White/Blue(stripe) 2.Orange , White/Orange(stripe) 3.Green , White/Green(stripe) 4.Brown , White/Brown(stripe)
<b>Filler</b>	Filler	YES
<b>Shield</b>	Individual shield & material	N/A
	Primary overall shield & material	N/A
	Secondary overall shield & material	N/A
	Shield coverage (%)	N/A
<b>Cabling</b>	Twisting lay length	<=30 mm
	Cabling lay length	<=200 mm
<b>Outer jacket</b>	Outer jacket material	PVC
	Overall dimension	7.0 +/- 0.3 mm
	Outer jacket nominal thickness	0.85 mm
	Outer jacket rip cord	YES
<b>Mechanical characteristics</b>	Operating temp. range	-20 °C ~ +75 °C
	Bulk cable weight (KG)	55 kg/km
	Max. recommended pulling tension	110 N
	Min. bend radius (install)	4 x O.D.
	Outer jacket tensile strength	>= 13.8 Mpa
	Outer jacket elongation	>= 100%
	Outer jacket aging condition	100°C x 168 hrs
	After aging, tensile strength	>=85% of Unaging
	After aging, elongation	>=50% of Unaging
	Cold bend	No Crack (@ -20 °C x 4 hrs)
<b>Electrical characteristics</b>	Nom. mutual capacitance	<=5.6 nF/100m @1KHz
	Max. capacitance unbalance	<=330 pF/100m
	Nominal velocity of propagation	67%
	Max. delay skew	45 ns/100m
	Max. conductor resistance	93.8Ω/km (@ 20 °C)
	Max. conductor resistance unbalance	<=5% (@ 20 °C)
	Min. insulation resistance	5000 MΩ · m
	Max. operating voltage	300 V



**Marking**

TBD.	
------	--

**Electrical Characteristics**

Frequency	upper characteristic impedance	lower characteristic impedance	ATT	NEXT	PSNEXT	ELFEXT	PSELFEXT	PD	RL
(MHz)	Zu( $\Omega$ )	Zl( $\Omega$ )	(dB/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)	(ns/100m)	(dB)
1	/	/	2.0	74.3	72.3	67.8	64.8	570.0	20.0
4	115.2	86.8	3.8	65.3	63.3	55.8	52.8	552.0	23.0
8	112.6	88.8	5.3	60.8	58.8	49.7	46.7	546.7	24.5
10	111.9	89.4	6.0	59.3	57.3	47.8	44.8	545.4	25.0
16	111.9	89.4	7.6	56.2	54.2	43.7	40.7	543.0	25.0
20	111.9	89.4	8.5	54.8	52.8	41.8	38.8	542.0	25.0
25	112.9	88.5	9.5	53.3	51.3	39.8	36.8	541.2	24.3
31.25	114.1	87.7	10.7	51.9	49.9	37.9	34.9	540.4	23.6
62.5	118.3	84.5	15.4	47.4	45.4	31.9	28.9	538.6	21.5
100	121.9	82.0	19.8	44.3	42.3	27.8	24.8	537.6	20.1
200	128.8	77.6	29.0	39.8	37.8	21.8	18.8	536.5	18.0
250	131.5	76.0	32.8	38.3	36.3	19.8	16.8	536.3	17.3

Remark : Cable that meet the requirements of the template are not required to be measured for return loss; alternately cables that meet the return loss requirements are not required to be measured for characteristic impedance.

**Revision History:**

REV.0    2019.01.21

 Prepared by:    Hunaiwen  
 Approved by:    YangJi  
 Date :            2019.01.21

**Linkz International Limited**

 6/F, Photonics Centre, 2 Science Park East Avenue, Hong Kong Science Park, Shatin, Hong Kong.  
 Tel: (852) 2425 4399    Fax: (852) 2418 1627    Email: sales@linkzindustries.com    Website: http://www.linkzindustries.com