Lan Cable / Network Cable

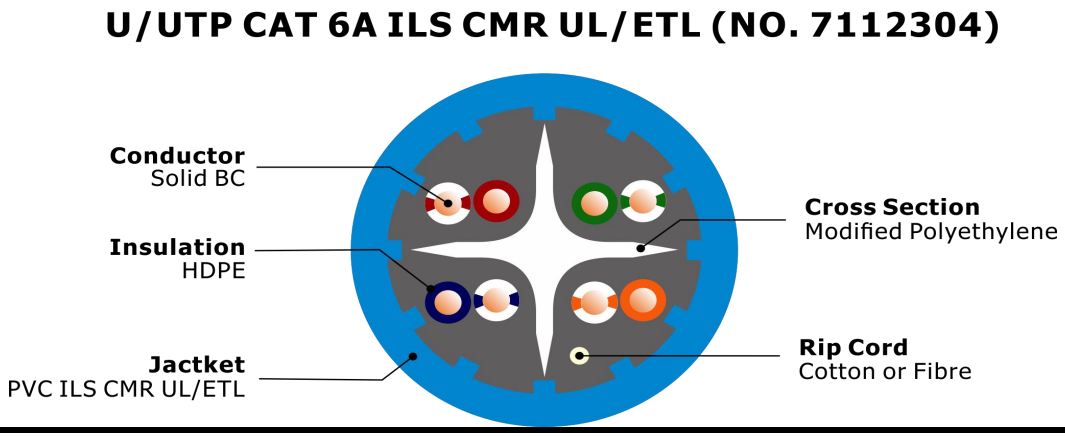
U/UTP CAT 6A ILS CMR UL/ETL (NO. 7112304)

Construction

Conductor:	0.565±0.005mm Solid Bare Copper
Pairs:	4 Pairs
Insulation:	1.02±0.05 mm HDPE
Insulation Colors:	Blue-White/Blue,Orange-White/Orange Green-White/Green,Brown-White/Brown
Cross Section	Modified Polyethylene
Rip Cord:	Cotton or Fibre
Out Jacket:	7.1±0.5 mm PVC ILS CMR UL/ETL

※ ILS：Round jacket with internal Longitudinal Striations

Cross Section



COMPLIANCE （Reference Standard and Certificates)

- ISO/IEC 11801-1 Ed.1.0
- ANSI/TIA-568-C.2 、 ANSI/TIA-568.2-D
- UL444、UL1581、UL1666、IEC60332-1、EN50399

Application Support

- 10GBASE-T 、 1000BASE-T 、 100BASE-T 、 10BASE-T
- 1Volp、ISDN、 Token、 100MTPPDM、 Analogand Datavideo、 POE Type1,2,3,4

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Electrical Characteristics

DC Resistance	＜9.38 Ohms/100m @20℃
DC Resistance unbalance	4% @ 20℃
Mutual Capacitance	5.6 nF/100m
Characteristic Impedance	1 - 100 MHz : 100±15 Ohms 100 - 200 MHz : 100±22 Ohms 200 - 500 MHz : 100±32 Ohms
Max Frequency	500MHz
Capacitance Unbalance	330 pF/100m
NVP(传输速率）	67%
Delay Skew	≤ 45ns/100m

PHYSICAL PROPERTIES

Pulling Tension(Max)	≥13.5Mpa
Bend Radius(Min)	8×OD of Jacket
Operating Temperature	-20 to 60 ℃ （-4 to 140℉）
Storage Temperature	-20 to 75 ℃ （-4 to 167℉）

Performance Characteristics

Frequency	RL (Min.)	Insertion Loss(Max.)	Propagation Delay (Max.)	Delay Skew(Max.)	NEXT (Min.)	PSNEXT (Min.)	ELNEXT (Min.)	PSELNEXT (Min.)
MHz	dB	dB/100m	ns/100m	ns/100m	dB	dB	dB/100m	dB/100m
1	20.0	2.1	570.0	45.0	74.3	72.3	67.8	64.8
4	23.0	3.8	552.0	45.0	65.3	63.3	55.8	52.8
10	25.0	6.0	545.4	45.0	59.3	57.3	47.8	44.7
16	25.0	7.6	543.0	45.0	56.2	54.2	43.7	40.7
20	25.0	8.5	542.1	45.0	54.8	52.8	41.8	38.8
31.25	23.6	10.7	540.4	45.0	51.9	49.9	37.9	34.9
62.5	21.5	15.4	538.6	45.0	47.4	45.4	31.9	28.9
100	20.1	19.8	537.6	45.0	44.3	42.3	27.8	24.8
200	18.0	29.0	536.1	45.0	39.8	37.8	21.8	18.8
300	17.3	36.4	536.1	45.0	37.1	35.1	18.3	15.3
400	17.3	43.0	535.8	45.0	35.3	33.3	15.8	12.8
500	17.3	45.3	535.6	45.0	33.8	31.8	13.8	10.8

※Note: The above transmission performance tor the 100M, 20±2℃ under the conditions tested.

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Order Informations

Marking	HELLOSIGNAL NO.7112304 U/UTP CAT6A 4PR 23AWG PVC CMR E******* ...305M(1000FT) (or Per customer's request)
Inner Package	305m/Spool,305m/Reel (or Per customer's request)
Outer Package	Color Box, Pallet (or Per customer's request)
Delivery time	Normally 25 days after received the deposit.
Brand	HELLOSIGNAL® OR OEM