Lan Cable / Network Cable

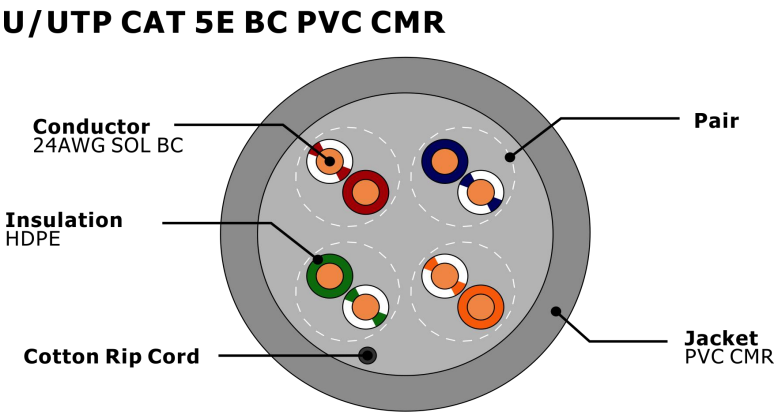
U/UTP CAT 5e PVC CMR UL/ETL (NO. 7112104)

Construction

Conductor:	24AWG Solid Bare Copper
Pairs:	4 Pairs
Insulation:	0.91±0.05 mm HDPE
Insulation Colors:	Blue-White/Blue,Orange-White/Orange Green-White/Green,Brown-White/Brown
Rip Cord:	Cotton or Fibre
Out Jacket:	5.1±0.2 mm PVC CMR UL/ETL

※ Conductor from 0.48mm-0.50mm all can pass Fluke test, the Headroom of 0.50mm is bigger than 0.48mm

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

- 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	5% @ 20℃
Mutual Capacitance	5.6 nF/100m
Characteristic Impedance	1 - 100 MHz : 100±15 Ohms 100 - 350 MHz : 100±22 Ohms
Max Frequency	100MHz
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℉）

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	2.2	570.0	45.0	65.0	62.0	61.0	61.0
4	23.0	4.2	552.0	45.0	56.0	53.0	48.0	48.0
10	25.0	6.5	545.0	45.0	50.0	47.0	41.0	41.0
16	25.0	8.4	543.0	45.0	47.0	44.0	36.0	36.0
20	25.0	9.3	542.0	45.0	45.0	42.0	34.0	34.0
31.25	23.6	11.6	540.0	45.0	42.0	39.0	31.0	31.0
62.5	21.5	17.0	539.0	45.0	38.0	35.0	25.0	25.0
100	20.1	22.0	538.0	45.0	35.0	32.0	21.0	21.0

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

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Order Informations

Marking	HELLOSIGNAL NO.7112104 U/UTP CAT5E 4PR 24AWG PVC CMR UL/ETL 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