

# U/UTP CAT 6A Twisted Pair Installation Cable

## LAN CABLE

### NO. 7112301



### Construction

Conductor:	23 AWG Solid Bare Copper
Pairs:	4 Pairs
Insulation:	1.35 mm Skin-Foam-Skin
Insulation Colors:	Blue-White/Blue, Orange-White/Orange Green-White/Green, Brown-White/Brown
Rip Cord:	Cotton
Out Jacket:	7.5±0.2 mm PE

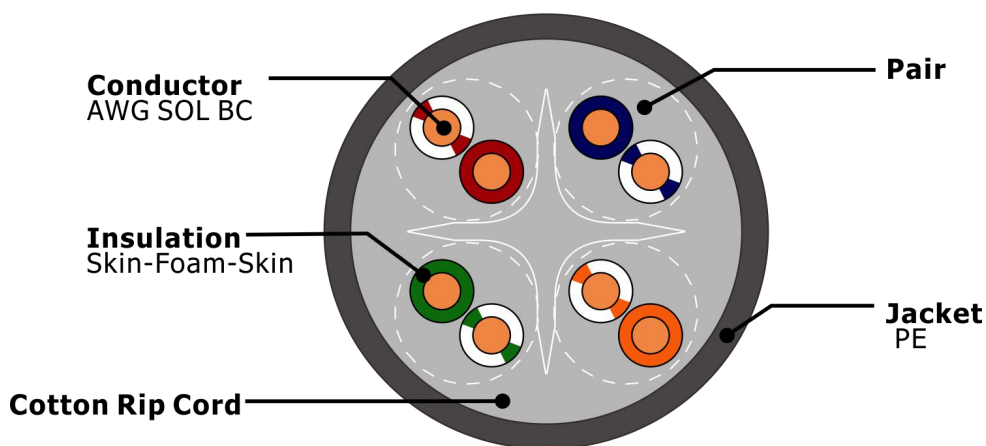


### Electrical Characteristics

Impedance	1 - 250MHz 100±15 Ohms
Insulation Resistance	>5000MΩ*KM
Dielectric strength	DC 2500V 2S
Max. Conductor DC Resistance 20°C	8.4 Ohms/100m
Res. unbalance (%)	Max. 2.5
Pair to Ground Capacitance Unbalance	330 pF/100m
Transfer Impedance	Max 10 mOhms/m @100Mhz
Installation temp.	-30 - 50°C
Operation temp.	-20 - 75°C

### Cross Section

#### U/UTP CAT 6A BC PE



## Application

- Meets or exceeds requirements of ANSI/TIA-568-C.2 Category 6 and ISO 11801 2nd Edition Class EA channel standards.
- Meets or exceeds requirements of ANSI/TIA-568-C.2 and IEC 61156-5 Category 6A component standards.
- Third party tested to comply with ANSI/TIA-568-C.2.
- Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications.
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
- Color Availability: Additional cable colors available.

## 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 for the 100M, 20±2°C under the conditions tested.

## Order Informations

Marking	HELLOSIGNAL NO.7112301 U/UTP CAT6A 4PR 23AWG PE XXX (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

## Online Service:

Skype	kingtone3
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