

# U/FTP CAT 6A Twisted Pair Installation Cable

## LAN CABLE

### NO. 7112331



### 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
Shield	Individual Pair shield, Al/PET Foil, Foil face out
Drain Wire	0.40±0.005mm TC
Overall Shield	Al/PET Foil
Rip Cord:	Cotton
Out Jacket:	8.0±0.2 mm PE

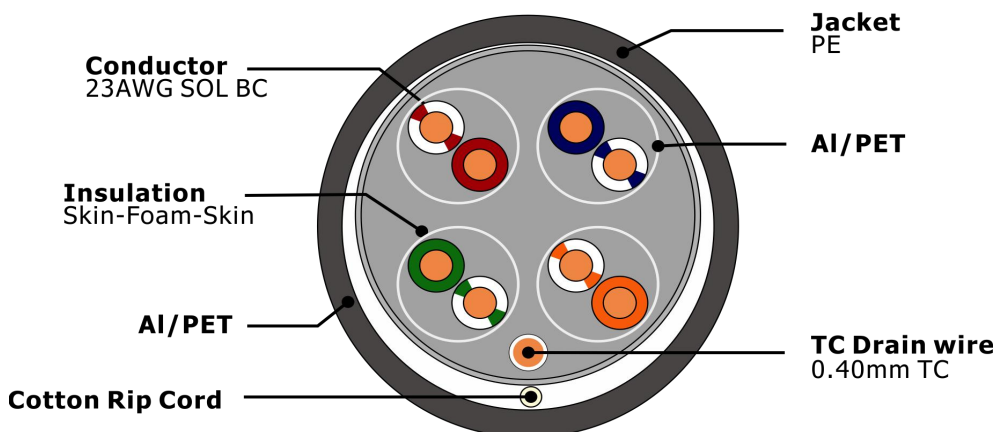


### Electrical Characteristics

Impedance	4 - 100MHz	100±15 Ohms
	100 - 200MHz	100±22 Ohms
	200 - 500MHz	100±32 Ohms
Max. Conductor DC Resistance 20°C		8.7 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

#### F/FTP CAT 6A BC PE



## Application

- Suitable for structured premises cabling.
- For transmission of digital and analogue voice and data signals.
- Especially suitable for all Class EA applications.
- ISDN, Ethernet 10 Base-T, Fast Ethernet 100 Base-T, Gigabit Ethernet 1000Base-T, 10G Base-T. (IEEE 802.3).
- Token Ring/16Mbit/s, TP-PMD/TP/DDI 125Mbit/s, ATM 155Mbit/s. (IEEE802.5).

## Standard

IEC/ISO 61156-5; ANSI/TIA568C.2; ISO/IEC 11801

## 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	545.0	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	542.0	45.0	54.8	52.8	41.8	38.8
31.25	25.0	10.7	540.0	45.0	51.9	49.9	37.9	34.9
62.5	21.5	15.4	539.0	45.0	47.4	45.4	31.9	28.9
100	20.1	19.8	538.0	45.0	44.3	42.3	27.8	24.8
200	18.0	29.0	537.0	45.0	39.8	37.8	21.8	18.8
300	17.3	36.4	536.0	45.0	37.1	35.1	18.3	15.3
400	17.3	43.0	536.0	45.0	35.3	33.3	15.8	12.8
500	17.3	45.3	536.0	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.7112331 F/FTP 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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[www.zion-communication.com](http://www.zion-communication.com)  
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