

# S/FTP CAT 7A Twisted Pair Installation Cable

## LAN CABLE

### NO. 7112422



### 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
Individual Pair shield	Al/PET Foil, Foil face out
Drain Wire	0.40±0.005mm TC
Overall Shield	Tinned copper braid
Rip Cord:	Cotton
Out Jacket:	8.3±0.2 mm PVC

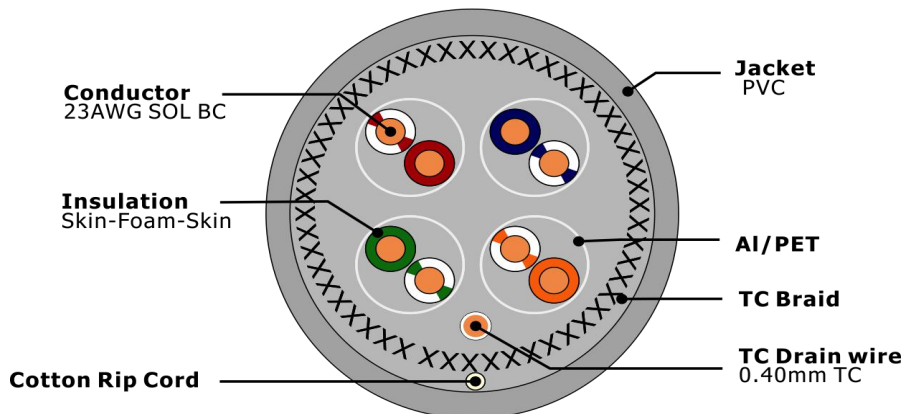


### Electrical Characteristics

Impedance	4 - 100MHz 100±15 Ohms 100 - 200MHz 100±22 Ohms 200 - 500MHz 100±32 Ohms
Max. Conductor DC Resistance 20°C	8.4 Ohms/100m
Res. unbalance (%)	Max. 2.5
Pair to Ground Capacitance Unbalance	330 pF/100m
Transfer Impedance	Max 10 mOhms/m @100Mhz
Coupling Attenuation	Min 80 dB
Installation temp.	-30 - 50°C
Operation temp.	-20 - 75°C

### Cross Section

#### S/FTP CAT 7A BC PVC



## Application

- Suitable for structured premises cabling.
- For transmission of digital and analogue voice and data signals.
- Especially suitable for all Class F applications.
- ISDN, Ethernet 10 Base-T, Fast Ethernet 100 Base-T, Gigabit Ethernet 1000Base-T, 10G Base-T. (IEEE 802.3).
- Token Ring 4/16Mbit/s, TP-PMD/TP/DDI 125Mbit/s, ATM 155Mbit/s. (IEEE802.5).

## Standard

IEC/ISO 61156-5; 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
4	23	3.7	552	25	78	75	78	75
16	25	7.3	543	25	78	75	71.2	68.2
20	25	8.2	542	25	78	75	69.3	66.3
25	24.3	9.2	541	25	78	75	67.3	64.3
31.25	23.6	10.3	540	25	78	75	65.4	62.4
62.5	21.5	14.6	539	25	75.5	72.5	59.4	56.4
100	20.1	18.5	538	25	72.4	69.4	55.3	52.3
200	18	26.5	537	25	67.9	64.9	49.3	46.3
250	17.3	29.7	536	25	66.4	63.4	47.3	44.3
300	17.3	32.7	536	25	65.2	62.2	45.8	42.8
400	17.3	38	536	25	63.4	60.4	43.3	40.3
500	17.3	42.8	536	25	61.9	58.9	41.3	38.3
600	17.3	47.1	535	25	60.7	57.7	39.7	36.7

Note: The above transmission performance for the 100M, 20±2°C under the conditions tested.

## Order Informations

Marking	HELLOSIGNAL NO.7112422 S/FTP CAT7A 4PR 23AWG PVC 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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