

S/FTP CAT 7A Twisted Pair Installation Cable

LAN CABLE

NO. 7112421



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 PE |

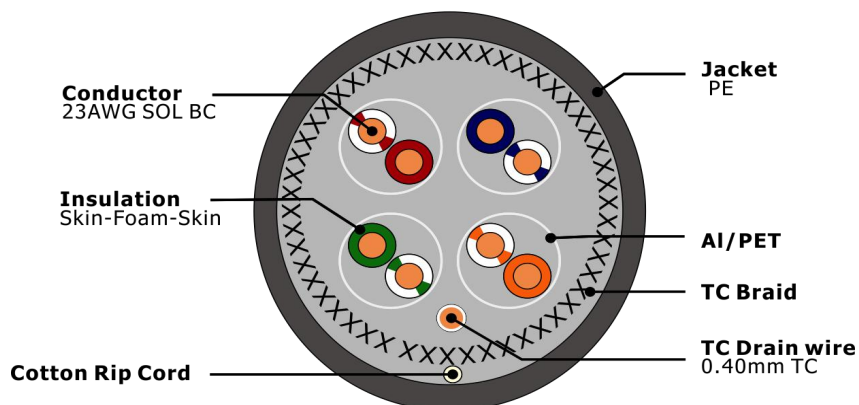


Electrical Characteristics

| | | |
|--------------------------------------|--------------|------------------------|
| Impedance | 4 - 100MHz | 100±15 Ohms |
| | 100 - 200MHz | 100±22 Ohms |
| | 200 - 500MHz | 100±32 Ohms |
| Max. Conductor DC Resistance 20°C | | 8.4 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 PE



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

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|---------------|--|
| Marking | HELLOSIGNAL NO.7112421 S/FTP CAT7A 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:

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|----------|--------------------------------|
| Skype | kingtone3 |
| ICQ | 246632889 |
| Whatsapp | +86 18268009191 |
| Email | michael@zion-communication.com |



www.zion-communication.com
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