



CAT7 S/FTP External Cable



DATA SHEET

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CAT7 S/FTP 4 Pairs External Cable-LSZH Sheath

Cat7 S/FTP external cable series consists of 100 Ohm impedance, these cables are used for high bandwidth, high speed applications. 4 pairs and 8 pairs cables for horizontal installations in local area network (LANs). The individual and overall screening to meet strict cross talk requirements.

Features

- Category: CAT7 S/FTP 4Pairs-LSZH-TC30
- Reference standard: ISO/IEC11801, TIA-568-C.2
- Conductor: solid-bare copper material, Nom.O.D: 0.560 ±0.005mm
- Insulation: skin-foam-skin PE material, diameter: 1.330 ±0.05 mm
- Screening material: AL/mylar
- Outer screening material: tinned copper 0.10mm with ≥30% coverage

Sheath:

| | |
|---------------|----------------------|
| Thickness | 0.55 ±0.05mm |
| External O.D. | 7.6 ±0.5mm |
| Surface | Clean,frap,satiation |
| Material | LSZH(complies RoHS) |

- Surface printing color: black, print error & space: ≤±0.5%/1m, letter height: 3.0±0.3mm
- Core color

| | |
|---------------|----------------|
| A.White/blue | B.White/orange |
| C.White/green | D.White/brown |

- Packing: drum, dimension according to the requirement.
- Packing length: 305 ±1.5m
- Rip code: yes
- Drain wire: no
- Out jacket physical properties:

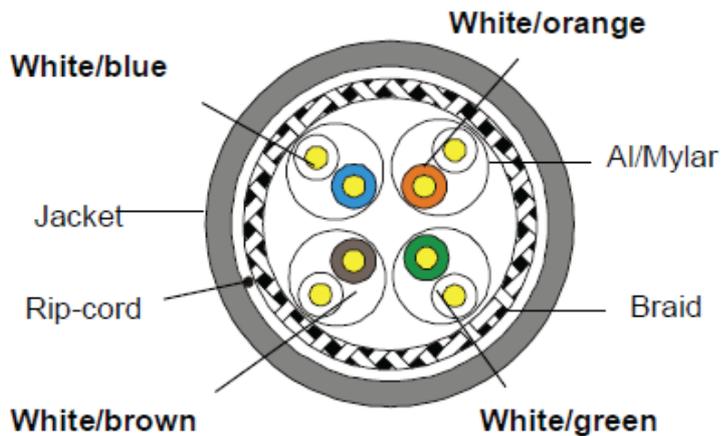
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| Before aging tensile strength (Mpa) ≥10.0 Elongation (%) ≥125 |
| Aging period (°C×hrs) 100°C x 24h x 7d |
| After aging tensile strength (Mpa) ≥8.0 Elongation (%) ≥100 |
| Cold bend (-20±2°C x 4h) 8 x Cable O.D., No visible cracks |

**Specifications are subject to change without notice based on technical recommendations and related product enhancements*

● Electrical characteristics (20°C):

| |
|---|
| Impedance(Ω) : (1-100MHz) $100 \pm 15\Omega$ (100-250MHz) $100 \pm 18\Omega$ (250-600MHz) $100 \pm 25\Omega$ |
| Delay Skew (ns/100m) ≤ 25 |
| Velocity of propagation (%) 74 |
| Unbalanced-to-ground capacitance (pf/100m) max 330 |
| DC resistance (Ω /100m) max 9.38 |
| DC conductor resistance unbalance (%) max 2.0 |

Inner Structure



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