# Essential-5数据铜缆

**ESSENTIAL F/UTP AWG24 CAT 5E LSZH 橙色305M/箱**



**Aginode Ref:** N100.451

- 10baseT Ethernet
- 100baseTX Fast Ethernet
- 1000baseTX Gigabit Ethernet
- 155 MBit ATM
- 其他Class D应用

## 应用

耐克森提供的超五类屏蔽或非屏蔽数据铜缆，满足并超越高速以太网对Cat5e线缆的性能要求。由于在实际应用中，施工安装以及增加中继连接点都会对传输通道的性能产生影响，耐克森超五类数据铜缆提供额外的性能余量，以减小这些因素对传输通道的影响，确保如百兆以太网有效的应用。

## 特点

- 10baseT Ethernet
- 100baseTX Fast Ethernet
- 1000baseTX Gigabit Ethernet
- 155 MBit ATM
- 其他Class D应用

## 参考标准

- TIA/EIA-568-C.2
- S0/IEC 11801
- IEC 61156-5

耐克森提供essential和LANmark超五类电缆，性能均优于标准要求的性能，尤其LANmark-5，其测试频率可达155MHz，远高于TIA 568C.2和IEC 11801的100MHz的测试要求，性能完全超越TIA 568C.2和IEC 11801的标准。

## STANDARDS

ANSI/TIA-568-C.2
ISO/IEC 11801

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# Essential F/UTP AWG24 Cat 5e LSZH 橙色305m/箱

## Characteristics

| | |
|---|---|
| **结构特性** | |
| 颜色 | 橙 |
| 屏蔽 | 铝箔 |
| 外护套 | 低烟无卤 |
| 电缆类型 | F/UTP |
| **尺寸特性** | |
| 近似重量 | 42 kg/km |
| 导线直径 | 0.5 mm |
| 绝缘外径 | 1.06 mm |
| 标称外径 | 5.9 mm |
| **电气特性** | |
| 特性阻抗 | 100 Ohm |
| **机械特性** | |
| 敷设最大牵引力 | 0.1 kN |
| **传输特性** | |
| 传播速度 | 73 % |
| 传播延迟值，最大100MHz | 536 ns/100m |
| **使用特性** | |
| 抗电磁干扰 | Yes |
| 范围 | essential |
| 长度 | 305 m |
| 操作温度，范围 | -20...60 °C |
| 类型 | Cat. 5e |
| Fire load | 460 MJ/km |
| 阻燃 - 火焰 | IEC 60332-1 |
| 部件功能 | 电缆 |
| 包装 | 箱 |
| 环境安装温度，范围 | 0...50 °C |

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| | |
|---|---|
| 最小弯曲半径 - 安装 | 48 mm |
| 最小弯曲半径 - 工作 | 24 mm |

## 文件

freetableEssCat5ecable_5_2.xls xls — 17.5 KB 下载

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