



## UTP Cable - Category 5

NEX1's UTP cable is a fully standards compliant, high quality cable which achieves its compliance through the use of advanced materials and meticulous manufacturing techniques.

### Features:

- Characterized to 125MHz for use with high speed LAN traffic to 155 Mbps and beyond
- Recommends for use on all LAN applications
- UL and ETL verified to ANSI/TIA/EIA-568A specifications
- Low attenuation and near-end crosstalk (NEXT) for your 100-MHz applications
- UL®/CSA listed CM, CMR, CMP

No. of Pairs	Jacket Color	Insulation Thickness (mm/inch)	Weight/Length
4	Grey	0.2/0.0079	Reel Box: 10.5 kg/304.8 m (23.1 lb./1,000 ft.)

### ◆ Category 5 UTP Cable

Part Number	Description	Std. Pkg. Qty.
NUTP-C5	Category 5 unshielded twisted pair (UTP) cable.	1 (Reel box; 10.5 kg /304.8 m)

### Physical Specifications

- ◆ FR-PVC cable construction
- ◆ Cable Type: 4-pair unshielded-twisted pair solid copper
- ◆ Minimum bend radius: 8 x total diameter
- ◆ Insulation: HDPE, FRPE, 100% FEP
- ◆ Conductors: 24 AWG, solid bare annealed copper
- ◆ Operating temperature: -20°C to +75°C

### Electrical Specifications

- ◆ Impedance: 100 Ω ± 15 %
- ◆ Near-End Crosstalk: 38dB @ 100 MHz
- ◆ Attenuation: 22 dB/100 m typical @ 100 MHz
- ◆ Minimum propagation delay: 0.65C
- ◆ Maximum mutual capacitance: 5.6nf/100 m
- ◆ Maximum capacitance unbalance: 3,400/3,300/1,600pf/km (ISO/IEC, TIA/EIA, EN)
- ◆ ACR: 16 dB @ 100 MHz (minimum)
- ◆ Maximum DC resistance: 9.38 Ω /100 m (24 AWG) at 20°C
- ◆ Maximum DC insulation resistance: 150MΩ /km
- ◆ Maximum delay skew: 30ns/100m