

# CAT3 VOICE GRADE CABLE

## 6 PAIR (12 CONDUCTOR)



### DESCRIPTION

Category-3, UTP, 24awg 12 Conductor,  
Solid-Bare Copper.

### FEATURES

- Suitable for Telephony Communication
- 6-Pair – Cabled together with varying lays
- 24AWG Solid Bare Copper Conductors
- ETL Listed RoHS Compliant
- 305M Wooden Spool

#### Technical Data

Rated Temperature	70 °C
Rated Voltage	30V
Conductor	Solid Bare Copper
Size	24 AWG
Dia. (±0.005mm)	0.50

#### Insulation

Average Thickness (mm)	0.205
Min. Point Thickness (mm)	0.174
Insulation Dia. (±0.20mm)	0.91
Twisted Pair Dia. (±0.01)	1.82

#### Nylon Tape

Assembly Dia. (mm)	Yes
Jacket	4.50

#### Jacket

Average Thickness (mm)	PVC
Min. Point Thickness (mm)	0.65
Outer Dia. (±0.20mm)	0.60
Rip cord	5.80

#### Electrical Characteristics

Impedance	Yes
D-C Resistance of each Core (ohms/km)	100±15 Ohms
The average of Imbalance of D-C resistance upon cores	98(Max)
	≤2.0%

#### Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.8
Aging Elongation (%)	≥100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	≥85% of unaged
Aging Elongation (%)	≥50% of unaged
Cold Bend (-20±2° Cx4hrs)	No Crack

#### Marking on Jacket

NHTD UTP CABLE 6 PR 24AWG CAT.3 c(ETL)us VERIFIED CM  
TIA/EIA-568B.2 RoHS XXXM  
(SEQUENTIAL METER MARKERS ON JACKET)

Jacket color available in  
Gray



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### PAIR COLORS

Pair1 White with Blue ring -- Blue with White ring  
Pair2 White with Orange ring -- Orange with White ring  
Pair3 White with Green ring -- Green with White ring  
Pair4 White with Brown ring -- Brown with White ring  
Pair5 White with Gray ring -- Gray with White ring  
Pair6 Red with Blue ring -- Blue with Red ring

### TECH DRAWING

