

# CAT3 VOICE GRADE CABLE

## 50 PAIR (100 CONDUCTOR)

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### DESCRIPTION

Category-3, UTP, 24awg 100 Conductor, Solid-Bare Copper.

### FEATURES

- Suitable for Telephony Communication
- 50-Pair – Cabled together with varying lays
- 24AWG Solid Bare Copper Conductors
- ETL Verified, Riser Rated



#### Technical Data

Rated Temperature	70 °C
Rated Voltage	30V
Conductor	Solid Bare Copper
Size	24 AWG
Dia. (±0.005mm)	0.475

<b>Insulation</b>	<b>PVC</b>
Average Thickness (mm)	0.188
Min. Point Thickness (mm)	0.170
Insulation Dia. (±0.20mm)	0.85
Twisted Pair Dia. (±0.01)	1.70

<b>Nylon Tape</b>	<b>Yes</b>
<b>PE Tape</b>	<b>Yes</b>
<b>Assembly Dia. (mm)</b>	<b>14.00</b>
<b>Jacket</b>	<b>PVC</b>
Average Thickness (mm)	1.00
Min. Point Thickness (mm)	0.90
Outer Dia. (±0.20mm)	<b>16.20</b>
<b>Rip cord</b>	<b>Yes</b>

#### Electrical Characteristics

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

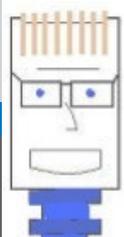
#### Mechanical Characteristics

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

VERTICAL UTP 50PR 24AWG ETL CMR VERIFIED CAT3  
TIA/EIA-568B.2 STANDARD RoHS XXXFT  
(SEQUENTIAL FOOT MARKERS ON JACKET)

Jacket color available in  
Gray



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Rev. 04/2011

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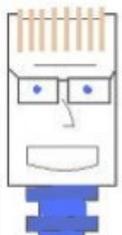
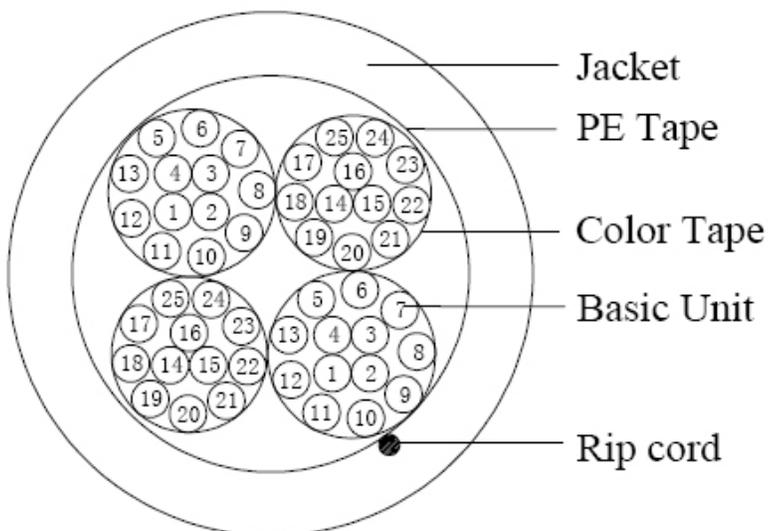
# CAT3 VOICE GRADE CABLE 25 PAIR (100 CONDUCTOR)

## PAIR COLORS

**Color Tape: U12-1. Blue U12-2. Orange U13-1.Blue U13-2. orange**

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  
Pair7 Red with Orange ring -- Orange with Red ring  
Pair8 Red with Green ring -- Green with Red ring  
Pair9 Red with Brown ring -- Brown with Red ring  
Pair10 Red with Gray ring -- Gray with Red ring  
Pair11 Black with Blue ring -- Blue with Black ring  
Pair12 Black with Orange ring -- Orange with Black ring  
Pair13 Black with Green ring -- Green with Black ring  
Pair14 Black with Brown ring -- Brown with Black ring  
Pair15 Black with Gray ring -- Gray with Black ring  
Pair16 Yellow with Blue ring -- Blue with Yellow ring  
Pair17 Yellow with Orange ring -- Orange with Yellow ring  
Pair18 Yellow with Green ring -- Green with Yellow ring  
Pair19 Yellow with Brown ring -- Brown with Yellow ring  
Pair20 Yellow with Gray ring -- Gray with Yellow ring  
Pair21 Purple with Blue ring -- Blue with Purple ring  
Pair22 Purple with Orange ring -- Orange with Purple ring  
Pair23 Purple with Green ring -- Green with Purple ring  
Pair24 Purple with Brown ring -- Brown with Purple ring  
Pair25 Purple with Gray ring -- Gray with Purple ring

## TECH DRAWING



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