

# CAT3 VOICE GRADE CABLE

## 25 PAIR (50 CONDUCTOR)

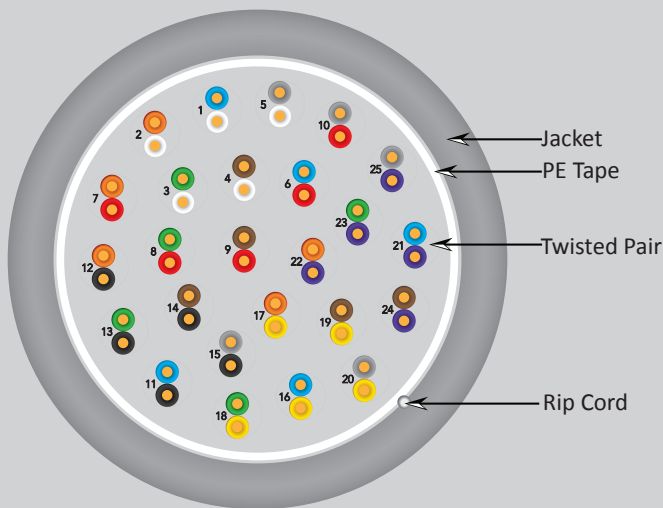


### DESCRIPTION

Category-3, UTP, 25 Pair, Solid-Bare Copper.

### FEATURES

- Category-3 Multipair Cable
- Suitable for Telephony Communication
- 25-Pairs – Housed together with varying lays
- 24AWG Solid Bare Copper Conductors
- ETL CMR Verified, RoHS Compliant
- Available in Increments of 100ft, on a Spool



### SKU: 052-441GY

#### Technical Data

Rated Temperature 70 °C  
Rated Voltage 30V

#### Conductor

Dia. (±0.008mm) 0.475

#### Insulation

Average Thickness (mm) 0.203  
Min. Point Thickness (mm) 0.182  
Insulation Dia. (±0.01mm) 0.88  
Twisted Pair Dia. (±0.02mm) 1.76

#### Soft Annealed Solid Bare Copper

#### HDPE

#### Cable Core

Total Mylar Spiral (%) ≥125

#### 25 Twisted Pairs

#### Jacket

Assembly Diameter (±0.5mm) 11  
Min. Point Thickness (mm) 0.77  
PET Tape Yes  
Rip cord Yes

#### PVC

#### Electrical Characteristics

Impedance (±15Ω) 100  
Max D-C Resistance of each Core (Ω/km) ≤105(Max)  
Insulation Resistance (DC500V Charged 1Min) (ΩKm) ≥1500  
Voltage Endurance (V/Min) DC 500  
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 25PR 24AWG ETL CMR VERIFIED CAT3 TIA/EIA-568B.2  
STANDARD RoHS XXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)

Jacket color available in  
Gray

## VERTICAL CABLE

951.696.7772 California  
800.749.2447 Florida  
845.391.8318 New York



[www.verticalcable.com](http://www.verticalcable.com)

Rev. 12/2016

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

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## PAIR COLORS

No.	Color of Insulation	
	A	B
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Gray
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Gray
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Gray
16	Yellow	Blue
17	Yellow	Orange
18	Yellow	Green
19	Yellow	Brown
20	Yellow	Gray
21	Purple	Blue
22	Purple	Orange
23	Purple	Green
24	Purple	Brown
25	Purple	Gray

Frequency (MHz)	Return Loss (Min dB)	Attenuation Max	Delay (ns/100m)	NEXT (Min dB)	SKEW ns
0.772	12	2.2	576	43.0	45
1	12	2.6	570	41.3	45
4	12	5.6	552	32.3	45
8	12	8.5	545	27.8	45
10	12	9.7	545	26.3	45

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