

CAT3 VOICE GRADE CABLE

50 PAIR (100 CONDUCTOR)

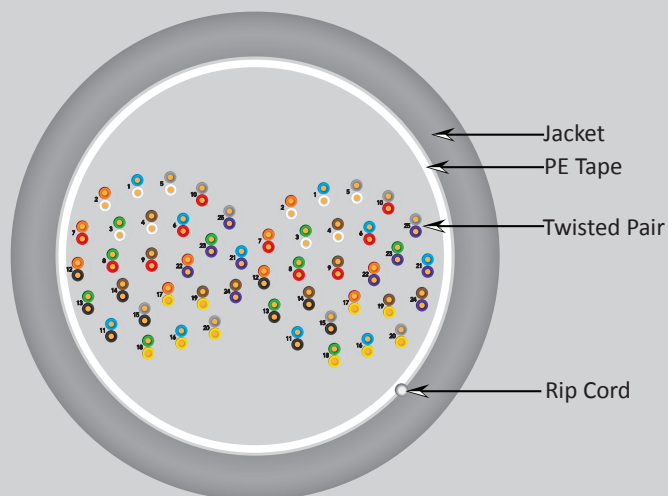


DESCRIPTION

Category-3, F/UTP, 50 Pair, Solid-Bare Copper.

FEATURES

- Category-3 Multipair Cable
- Suitable for Telephony Communication
- 50-Pairs – Housed together with varying lays
- 24AWG Solid Bare Copper Conductors
- ETL CM Verified, RoHS Compliant



SKU: 052-442GY

Technical Data

Rated Temperature	70 °C
Rated Voltage	30V

Conductor

Dia. (± 0.008 mm)

Insulation

Average Thickness (mm)	0.18
Min. Point Thickness (mm)	0.17
Insulation Dia. (± 0.05 mm)	0.86
Twisted Pair Dia. (± 0.05 mm)	1.70

Soft Annealed Solid Bare Copper

0.483

HDPE

0.18

0.17

0.86

1.70

Cable Core

Total Mylar Spiral (%)

2x25 Twisted Pairs

≥ 125

Jacket

Assembly Diameter (± 1.0 mm)

Min. Point Thickness (mm)

PET Tape

Rip cord

PVC

1

0.90

Yes

Yes

Electrical Characteristics

Impedance ($\pm 15\Omega$)	100
Max D-C Resistance of each Core (Ω/km)	≤ 105
Insulation Resistance (DC500V Charged 1Min) (ΩKm)	≥ 1500
Voltage Endurance (V/Min)	DC 500
The average of Imbalance of D-C resistance upon cores	$\leq 2.0\%$

Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥ 13.8
Aging Elongation (%)	≥ 100
Aging Condition ($^{\circ}\text{C} \times \text{hrs}$)	100x168
After Tensile Strength (Mpa)	$\geq 85\%$ of unaged
Aging Elongation (%)	$\geq 50\%$ of unaged
Cold Bend ($-20 \pm 2^{\circ}\text{C} \times 4\text{hrs}$)	No Crack

Marking on Jacket

VERTICAL UTP 25PR 24AWG ETL CM 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

Rev. 12/2016

Specs subject to change without notice.
It is the sole responsibility of the user to have the most current specs.

CAT3 VOICE GRADE CABLE

50 PAIR (100 CONDUCTOR)

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
16	10	13.1	543	23.3	45

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