

CAT3 VOICE GRADE CABLE

3 PAIR UTP (Lose Twist)



DESCRIPTION

Category-3, UTP, 24awg 6 Conductor Solid-Bare Copper, Lose-Twist.

FEATURES

- Suitable for Communication Applications
- Suitable for Telephony and Security Systems
- Category-3 Unshielded Twisted Pair Cable
- 3-Pair – Easily Identified Color-Striped Pairs
- AWG24 Solid Bare Copper Conductors
- Excellent Attenuation and Crosstalk
- Exceeds EIA/TIA 568 B.2-1 Standards
- ETL Listed
- Supplied in 1000' Pull Boxes



Dimensions 13.5H x 13.5L x 8.5W (inches)
45pcs per pallet
(Packaging may vary)

SKU: 052 SERIES

Technical Data

| | |
|-----------------------------------|--------------------------|
| Rated Temperature (°C) | 70 |
| Rated Voltage (V) | 30 |
| Product Standard Certification | CMR |
| Conductor | Solid Bare Copper |
| Size | 24 AWG |
| Insulation | PE |
| Insulation Diameter (±0.005mm) | 0.88 |
| Twisted Pair Diameter (±0.01) | 1.76 |
| Assembly Diameter | 3.40 |
| Jacket | PVC |
| Outer Diameter (±0.10mm) | 4.60 |
| Rip Cord | Yes |
| Color of Pairs | |
| Pair A | White-Blue |
| Pair B | White-Green |
| Pair C | White-Orange |
| 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 4001453 ETL VERIFIED CMR FT4 UTP 3PR 24AWG
CAT3 TIA/EIA-568B.2 RoHS XXXFT
(SEQUENTIAL FOOT MARKERS ON JACKET)

Jacket color available in
White and Gray

VERTICAL CABLE

954 454-3554 Florida Office
951 696-7772 California Office



www.verticalcable.com

Rev. 04/2011
Subject to change without notice.

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PERFORMANCE

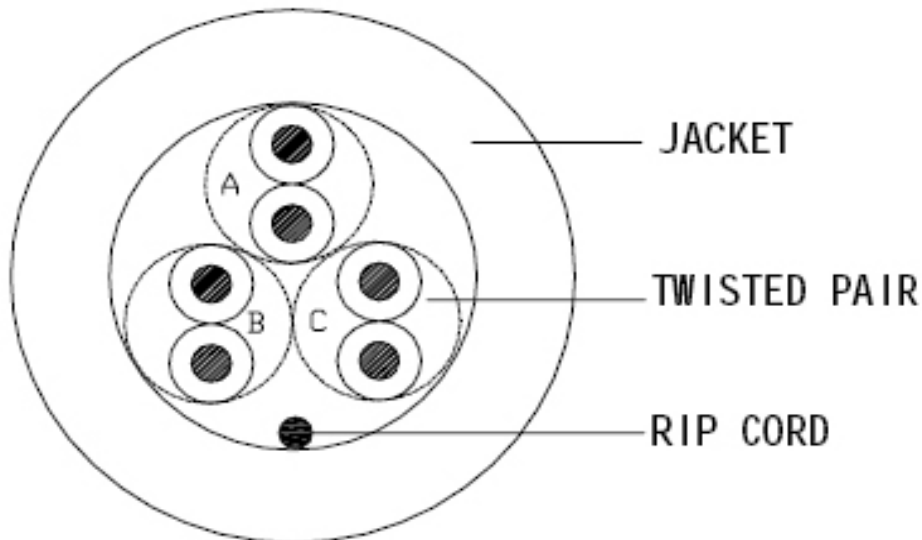
Electrical Characteristics

Impedance 100±15 Ohms
D-C Resistance of each Core 98 Ohms/Km (Max)
The Average of Imbalance of D-C Resistance upon cores ≤2.0%

| Frequency (Mhz) | Return Loss (Min dB) | Attenuation Max (dB/100m) | Delay (ns/100m) |
|-----------------|----------------------|---------------------------|-----------------|
| 0.772 | 12 | 2.2 | 576 |
| 1 | 12 | 2.6 | 570 |
| 4 | 12 | 5.6 | 552 |
| 8 | 12 | 8.5 | 545 |
| 10 | 12 | 9.7 | 545 |
| 16 | 10 | 13.1 | 543 |

| Frequency (Mhz) | Next (Min dB) | Skew ns |
|-----------------|---------------|---------|
| 0.772 | 43.0 | |
| 1 | 41.3 | |
| 4 | 32.3 | |
| 8 | 27.8 | 45 |
| 10 | 26.3 | |
| 16 | 23.3 | |

TECH DRAWING



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