

CAT3 VOICE GRADE CABLE

CMR RATED / 25 PAIR

24 AWG 50 CONDUCTOR (UTP)



DESCRIPTION

CAT3 Multi-Pair, 25 Pair, CMR Rated / Unshielded
4 Twisted Pairs (UTP) 50 24-AWG Solid Bare Copper
Conductors.

FEATURES

- Suitable for telephony communication
- Excellent attenuation and crosstalk characteristics
- 25 Pairs housed together with varying lays
- 24 AWG solid copper conductors
- Easily identifiable pair insulation colors
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications
- CAN/CSA-C22.2 No. 214, RoHS compliant
- ETL listed



052-441GY

TRANSMISSION PERFORMANCE

Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

CONSTRUCTION

Pairs: 25
Conductors: 50
PE Tape: 1
Screen: Unscreened (UTP)

CONDUCTORS

Material: Solid Bare Annealed Copper
Size: 24 AWG

INSULATION

Material: High Density Polyethylene (HDPE)
Diameter: 0.0346 in. (0.88 mm)
Average thickness: 0.0078 in. (0.20 mm)
Color coding: **Pair 1:** White/Blue **Pair 2:** White/Orange **Pair 3:** White/Green **Pair 4:** White/Brown **Pair 5:** White/Gray **Pair 6:** Red/Blue **Pair 7:** Red/Orange **Pair 8:** Red/Green **Pair 9:** Red/Brown **Pair 10:** Red/Gray **Pair 11:** Black/Blue **Pair 12:** Black/Orange **Pair 13:** Black/Green **Pair 14:** Black/Brown **Pair 15:** Black/Gray **Pair 16:** Yellow/Blue **Pair 17:** Yellow/Orange **Pair 18:** Yellow/Green **Pair 19:** Yellow/Brown **Pair 20:** Yellow/Gray **Pair 21:** Purple/Blue **Pair 22:** Purple/Orange **Pair 23:** Purple/Green **Pair 24:** Purple/Brown **Pair 25:** Purple/Gray

JACKET

Material: Polyvinyl Chloride (PVC)
Outer diameter: 0.42 in. (10.60 mm)
Average thickness: 0.0334 in. (0.85 mm)
Marking: VERTICAL 4001453 cETLus VERIFIED CMR UTP 25PR
24 AWG CAT3 ANSI/TIA-568.2-D RoHS XXXXFT

ELECTRICAL

Voltage rating: 30 V_{RMS}
Impedance: 100 ± 15Ω
Mac D-C Resistance Per Core: ≤ 105 Ω/km
Insulation Resistance: ≥ 1500 Ω/km
Voltage Endurance: DC 500 V
D-C Resistance Imbalance: ≤ 2.0%

MECHANICAL

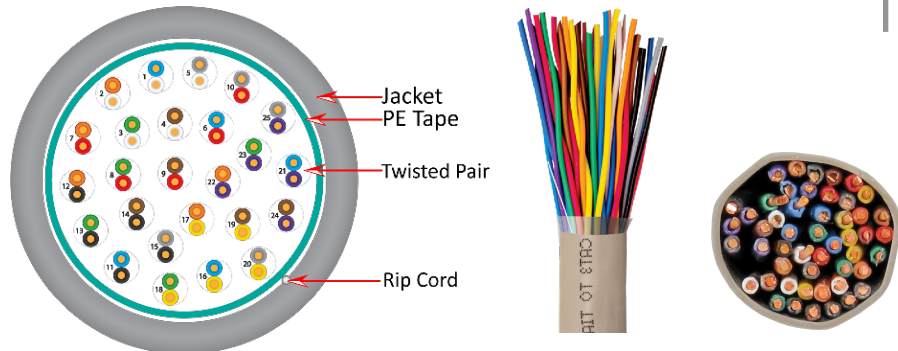
Before Tensile Strength (Mpa): ≥ 13.8 MPa
Elongation After Aging (%): ≥ 100
Aging Conditions (°C × h): 100x168
Tensile Strength After Aging (Mpa): ≥ 85% of unaged
Elongation After Aging (%): ≥ 50% of unaged
Cold Bend (-40±2°C x 4hrs): No Crack

ENVIRONMENTAL

Operating temperature: -40 °F - 167 °F (-40 °C - 75 °C)

WEIGHT

120 lb (54.4 kg)



VERTICAL CABLE

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Subject to change without notice.