

CAT3 VOICE GRADE CABLE

CMR RATED / 100 PAIR

24 AWG 200 CONDUCTOR (UTP)



DESCRIPTION

CAT3 Multi-Pair, 100 Pair, CMR Rated / Unshielded
4 Twisted Pairs (UTP) 200 24-AWG Solid Bare
Copper Conductors.

FEATURES

- Suitable for telephony communication
- Excellent attenuation and crosstalk characteristics
- 100 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



052-443GY

TRANSMISSION PERFORMANCE

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

CONSTRUCTION

Pairs:	100
Conductors:	200
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)

CABLE CORE

Total Mylar Spiral:	≥125%
Color Coding (4 x 25 Twisted Pairs):	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:	0.81 in. (20.5 mm)
Average thickness:	0.0334 in. (0.85 mm)
Marking:	VERTICAL 4001453 cETLus VERIFIED CMR UTP 100PR 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:	≤197.8 Ω/km
Insulation Resistance:	≥1500 Ω/km
Voltage Endurance:	DC 500 V
D-C Resistance Imbalance:	≤2.5%

MECHANICAL

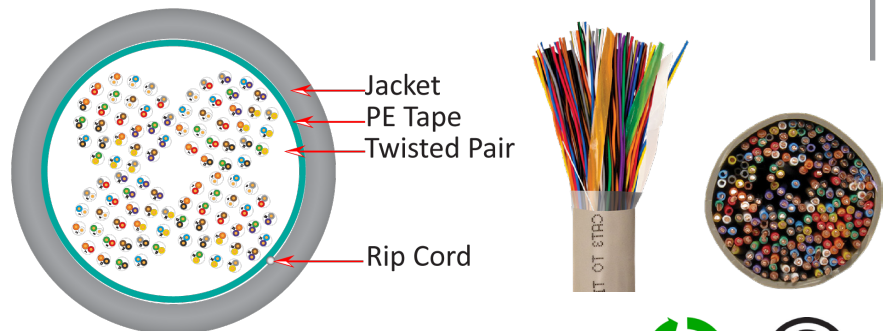
Before Tensile Strength (Mpa):	≥13.8 MPa
Elongation After Aging (%):	≥100
Aging Conditions (°C × h):	100x168
Tensile Strength After Aging (Mpa):	≥85% of unaged
Elongation After Aging (%):	≥50% of unaged
Cold Bend (-40±2° Cx4hrs):	No Crack

ENVIRONMENTAL

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

215 lb (97.5 kg)



VERTICAL CABLE

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verticalcable.com

Rev. 3/2024

Subject to change without notice.