

CAT3 VOICE GRADE CABLE

2 PAIR UTP (Lose Twist)



DESCRIPTION

Category-3, UTP, 24awg 4 Conductor Solid-Bare Copper, Lose-Twist.

FEATURES

- Suitable for Communication Applications
- Suitable for Telephony and Security Systems
- Category-3 Unshielded Twisted Pair Cable
- 2-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

Technical Data

Rated Temperature (°C)	70
Rated Voltage (V)	30
Product Standard Certification	CM
Conductor	Solid Bare Copper
Size	24 AWG
Insulation	PE
Insulation Diameter (±0.005mm)	0.88
Twisted Pair Diameter (±0.01)	1.76
Assembly Diameter	3.20
Jacket	PVC
Outer Diameter (±0.10mm)	4.20
Rip Cord	Yes
Color of Pairs	
Pair A	White-Blue
Pair B	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

ETL VERIFIED CM UTP 2PR 24AWG
CAT3 TIA/EIA-568B.2 RoHS XXXFT
(SEQUENTIAL FOOT MARKERS ON JACKET)



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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

