



Cables4sure

21011 Johnson St #122
Pembroke Pines FL 33029



888-869-0286



www.cables4sure.com



sales@cables4sure.com

CAT5 ENHANCED 350MHz UTP CMR RATED

DESCRIPTION

Category-5E, 24AWG, UTP, 8C Solid Bare Copper, CMR Rated, PVC Jacket 1000ft.

FEATURES

- High-Performance Data Cable
- 350MHz Bandwidth for Data Applications
- Category-5E Shielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 24AWG Solid Copper Conductors
- Exceeds TIA/EIA-568B.2, ISO/IEC 11801
- Riser Rated PVC Jacket, CMR
- ETL Listed

Technical Data

Rated Temperature 75 °C
Rated Voltage 30v
Product Standard Certification CMX

Conductor

Size Solid Bare Copper

Insulation

Average Thickness (mm) 0.203
Min. Point Thickness(mm) 0.172
Insulation Diameter (± 0.005 mm) 0.88
Twisted Pair Diameter (± 0.01) 1.76

Assembly Diameter

Inner Jacket (Gray) PVC

Average Thickness (mm) 0.60
Min. Point Thickness(mm) 0.54
Outer Diameter (± 0.10 mm) 5.00
Rip Cord Yes
Color White

Color of Pairs

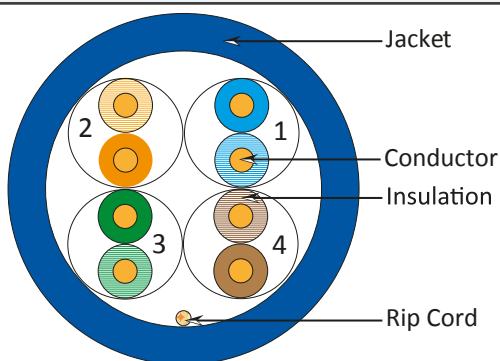
Pair 1 Blue, White-Blue
Pair 2 Orange, White-Orange
Pair 3 Green, White-Green
Pair 4 Brown, White-Brown

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 4001453 cETLus VERIFIED CMR UTP 4PR 24AWG
CAT5E 350MHz TIA/EIA-568B.2 RoHS XXXFT
(SEQUENTIAL FOOT MARKERS ON JACKET)





Cables4sure

21011 Johnson St #122

Pembroke Pines FL 33029



888-869-0286



www.cables4sure.com



sales@cables4sure.com

PERFORMANCE

Electrical Characteristics:

1.0-100MHz Impedance (Ohms)	100±15
100-200MHz Impedance (Ohms)	100±15
200-350MHz Impedance (Ohms)	100±15
1.0-350MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	≤5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max	Next (ns/100m)	ACR Typ(db)
0.772	19.4	1.8	67.0	67.7
1	20.0	2.0	65.3	67.3
4	23.0	4.1	56.3	56.2
8	24.5	5.8	51.8	50.0
10	25.0	6.5	50.3	47.8
16	25.0	8.2	47.3	44.0
20	25.0	9.3	45.8	41.5
25	24.3	10.4	44.3	38.9
31.25	23.6	11.7	42.9	36.2
62.5	21.5	17.0	38.4	27.4
100	20.1	22.0	35.3	19.3
200	18.0	32.4	30.8	3.5
300	16.8	41.0	28.2	-----
350	16.3	44.9	27.2	-----

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(db/100m)	PSELFEXT Min(db/100m)
0.772	64.0	66.0	63.0
1	62.3	63.8	60.8
4	53.3	51.7	48.7
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.3	39.7	36.7
20	42.8	37.7	34.7
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.8	24.8
100	32.3	23.8	20.8
200	27.8	17.7	14.7
300	25.2	14.2	11.2
350	24.2	12.9	9.9