

**PRODUCT SPECIFICATIONS**  
RESIDENTIAL CAT5E U/UTP 350 MHz

**COMPLIANCE**

RoHS	UL Listed	CSA
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**CERTIFICATIONS**

TIA 568-C.2 Category 5e	ISO/IEC 11801
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**PHYSICAL SPECIFICATIONS**

Cable Construction	24 AWG U/UTP x 4P	
Conductor Material	Solid Bare Copper	
Insulating Material Type	HDPE	
Insulation Diameter	Ø 0.88 ± 0.05 mm	
Number of Insulations	4 Pair	
<b>PAIR COLORS</b>	P1	White- Blue/ Blue
	P2	White- Orange/ Orange
	P3	White- Green/ Green
	P4	White- Brown/ Brown
Jacket Material	PVC	
Jacket Diameter	Ø 4.8 ± 0.1 mm	
Jacket Thickness	0.5 ± 0.1 mm	
Jacket Flame Rate	CM	
Rip Cord	Nylon	

**MECHANICAL CHARACTERISTICS**

Cable under the minimum tension	≥ 400N
Conductor Elongation	≥ 15%

**JACKET**

Unaged	Tensile Strength	≥ 13.5 Mpa
	Elongation	≥ 150%
Aged	Tensile Strength	≥ 12.5 Mpa
	Elongation	≥ 125%

**ELECTRICAL CHARACTERISTICS**

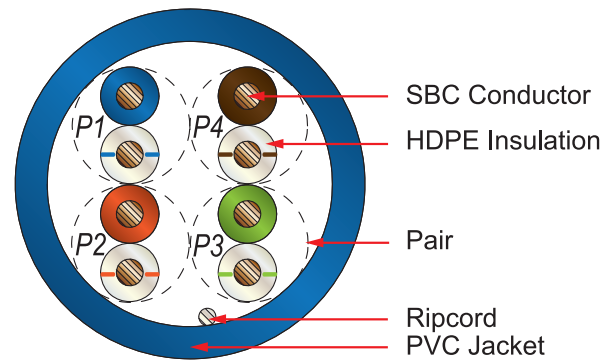
Impedance	1-350 MHz 100±15 (Ohms)
Overall Temp. Rating	75° C
DC Resistance Unbalance	Max. 2.5%
DC Resistance 20°C	124 (Ohms/Km)
Pair-to-Ground Capacitance Unbalance	330 (pF/100M)
Insulation Resistance	>5000MΩ*Km
Dielectric Strength	DC 2500V 2s

**NOMINAL TRANSMISSION CHARACTERISTICS**

FREQUENCY (MHz)	RETURN LOSS (dB)	ATTENUATION (dB/100M)	DELAY (NS)	NEXT (dB)	PSNEXT (dB)
1	20.0	2.2	570	65	62
4	23.0	4.2	552	56	53
10	25.0	6.5	545	50	47
16	25.0	8.4	543	47	44
20	25.0	9.3	542	45	42
31.25	23.6	11.6	540	42	39
62.5	21.5	17.0	538	38	35
100	20.1	22.0	537	35	32
200	18.92	32.42	537.02	30.78	27.78
250	17.60	36.85	536.28	29.33	26.33
350	16.30	44.85	535.92	27.14	24.14

NOTE: The above transmission performance for the 100M, 20±2° C under the conditions tested

ITEM #	JACKET TYPE	AVAILABLE COLOR	AVAILABLE PUT-UPS
MBW5U-01531	CM	Blue	1000 ft. Pull Box



**CABLE MARKING**

VERICOM VERIMAX (UL) c(UL) E346149 - N TYPE CM 75° C 24 AWG 4P CAT5E UTP TIA-568-B.2 ROHS COMPLIANT 0000FT USED / 1000FT REMAINING

NOTE: TECHNICAL SPECS AND IMAGES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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