



**PRODUCT SPECIFICATIONS**  
CAT5E DIRECT BURIAL GEL FILLED CMX U/UTP 350 MHz

**COMPLIANCE**

RoHS

**CERTIFICATIONS**

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

**PHYSICAL SPECIFICATIONS**

Cable Construction 24 AWG U/UTP x 4P

Conductor Material Solid Bare Copper

Insulating Material Type HDPE

Insulation Diameter  $\varnothing$  1.0  $\pm$  0.05 mm

Number of Insulations 4 Pair

**PAIR COLORS**  
P1 White- Blue/ Blue  
P2 White- Orange/ Orange  
P3 White- Green/ Green  
P4 White- Brown/ Brown

Jacket Material LDPE

Jacket Diameter  $\varnothing$  5.9  $\pm$  0.2 mm

Jacket Thickness 0.55  $\pm$  0.1 mm

Jacket Flame Rate CMX

Jacket Resistance UV Resistant

Rip Cord Nylon

**MECHANICAL CHARACTERISTICS**

Cable under the minimum tension  $\geq$  400N

Conductor Elongation  $\geq$  15%

**JACKET**

Unaged Tensile Strength  $\geq$  9.7 Mpa

Elongation  $\geq$  350%

Aged Tensile Strength  $\geq$  7.3 Mpa

Elongation  $\geq$  263%

**ELECTRICAL CHARACTERISTICS**

Impedance 1-100 MHz 100 $\pm$ 15 (Ohms)

Overall Temp. Rating 75° C

DC Resistance Unbalance Max. 2.5%

DC Resistance 20° C 110 (Ohms/Km)

Pair-to-Ground Capacitance Unbalance 330 (pF/100M)

Insulation Resistance >5000M $\Omega$ \*Km

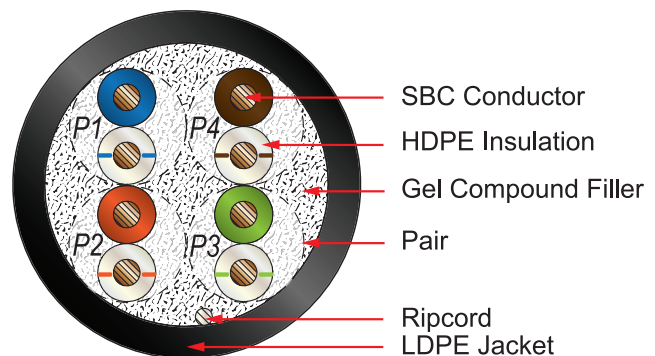
Dielectric Strength DC 2500V 2S

**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 $\pm$ 2° C under the conditions tested

ITEM #	JACKET TYPE	AVAILABLE COLOR	AVAILABLE PUT-UPS
MBW5U-04486	CMX	Black	1000 ft. Spool



**CABLE MARKING**

VERICOM VERIMAX 24 AWG 4P 75° C CAT5E U/UTP GEL FILLED TIA-568-C.2 ROHS COMPLIANT 0000FT USED / 1000FT REMAINING

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

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