

PRODUCT SPECIFICATIONS
RISER CAT5E U/UTP 350 MHz

COMPLIANCE

RoHS	UL Listed	c(UL) Listed	CSA
------	-----------	--------------	-----

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	Ø 0.88 ± 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	FRPVC
Jacket Diameter	Ø 4.8 ± 0.1 mm
Jacket Thickness	0.5 ± 0.1 mm
Jacket Flame Rate	CMR
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

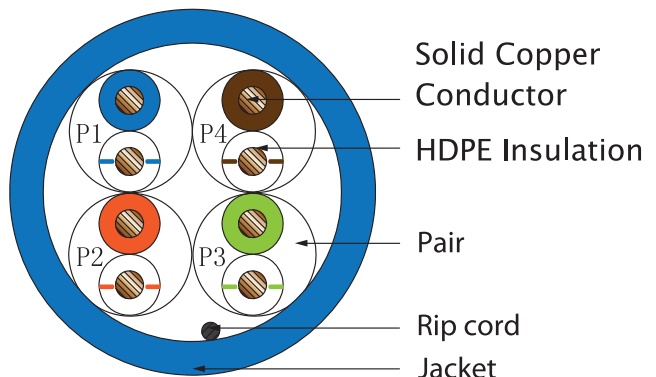
Impedance	1-350 MHz 100±15 (Ohms)
Overall Temp. Rating	75° C
DC Resistance Unbalance	Max. 2.5%
DC Resistance 20° C	124 (Ohms/Km)
Pair-to-Ground Capacitance Unbalance	330 (pF/100M)
Insulation Resistance	>5000MΩ*Km
Dielectric Strength	DC 2500V 2s

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-00932	CMR	Blue	1000 ft. Pull Box
MBW5U-01440	CMR	Black	1000 ft. Pull Box
MBW5U-01441	CMR	White	1000 ft. Pull Box
MBW5U-01442	CMR	Gray	1000 ft. Pull Box
MBW5U-01443	CMR	Yellow	1000 ft. Pull Box
XBW5U-01488	CMR	Blue (generic box)	1000 ft. Pull Box
MBW5U-01554	CMR	Red	1000 ft. Pull Box
MBW5U-01555	CMR	Green	1000 ft. Pull Box
MBW5U-03751	CMR	Orange	1000 ft. Pull Box



CABLE MARKING

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

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

Rev.20150817.2