

PRODUCT SPECIFICATIONS
RISER CAT5E U/UTP 350 MHz

COMPLIANCE

RoHS	c(UL)us Listed
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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	≈ 0.88 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	≈ 4.8 mm	
Jacket Thickness	≈ 0.5 mm	
Jacket Flame Rate	CMR	
Rip Cord	Yes	

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 (Ω)
Overall Temp. Rating	75° C
DC Resistance Unbalance	Max. 2.5%
DC Resistance 20° C	124 (Ω/Km)
Pair-to-Ground Capacitance Unbalance	330 (pF/100M)
Insulation Resistance	>5000MΩ*Km
Dielectric Strength	DC 2500V 2S

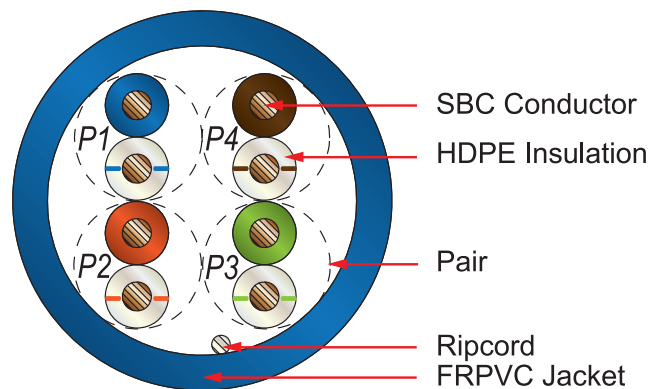
NOMINAL TRANSMISSION CHARACTERISTICS

FREQUENCY (MHz)	RETURN LOSS (dB)	ATTENUATION (dB/100m)	NEXT (dB)	PSNEXT (dB)
1	20.0	2.2	65	62
4	23.0	4.2	56	53
10	25.0	6.5	50	47
16	25.0	8.4	47	44
20	25.0	9.3	45	42
31.25	23.6	11.6	42	39
62.5	21.5	17.0	38	35
100	20.1	22.0	35	32
200	18.92	32.42	30.78	27.78
250	17.6	36.85	29.33	26.33
350	16.3	44.85	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-01440	CMR	Black	1000 ft. Pull Box
MBW5U-00932	CMR	Blue	1000 ft. Pull Box
MBW5U-01442	CMR	Gray	1000 ft. Pull Box
MBW5U-01555	CMR	Green	1000 ft. Pull Box
MBW5U-03751	CMR	Orange	1000 ft. Pull Box
MBW5U-01554	CMR	Red	1000 ft. Pull Box
MBW5U-01441	CMR	White	1000 ft. Pull Box
MBW5U-01443	CMR	Yellow	1000 ft. Pull Box
MBW5U-03577	CMR	Beige	1,000 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.

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