

PRODUCT SPECIFICATIONS
RISER CAT6 U/UTP 550 MHz

COMPLIANCE		
RoHS	UL Listed	c(UL) Listed

CERTIFICATIONS	
TIA 568-C.2 Category 6	ISO/IEC 11801

PHYSICAL SPECIFICATIONS	
Cable Construction	23 AWG U/UTP x 4P
Conductor Material	Solid Bare Copper
Cross Filler Material	PE
Insulating Material Type	HDPE
Insulation Diameter	Ø 1.0 ± 0.05 mm
Number of Insulations	4 Pair

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

Jacket Material	FRPVC
Jacket Diameter	Ø 6.5 ± 0.2 mm
Jacket Thickness	0.6 ± 0.1 mm
Jacket Flame Rate	CMR

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

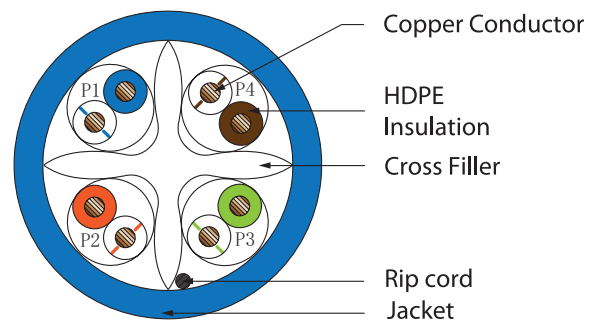
JACKET		
Unaged	Tensile Strength	≥ 13.5 Mpa
	Elongation	≥ 150%
Aged	Tensile Strength	≥ 12.5 Mpa
	Elongation	≥ 125%

ELECTRICAL CHARACTERISTICS	
Impedance	1-550 MHz 100±15 (Ohms)
Cold Bend Test	-20 °C 4 hours No Cracking
Overall Temp. Rating	75° C
DC Resistance Unbalance	Max. 2.5%
DC Resistance 20 °C	87 (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)	NEXT (dB)	PSNEXT (dB)
1	20.0	2.0	74	72
4	23.0	3.8	65	63
10	25.0	6.0	59	57
16	25.0	7.6	56	54
20	25.0	8.5	55	53
31.25	23.6	10.7	52	50
62.5	21.5	15.4	47	45
100	20.1	19.8	44.3	42.3
200	18.0	29.0	39.7	37.7
250	17.3	32.8	38	36
300	17.3	36.61	38.14	35.14
350	17.3	39.98	37.14	34.14
400	17.3	43.17	35.3	33.3
450	17.3	46.22	35.14	32.65
500	17.3	49.16	34.82	31.82
550	17.3	51.40	33.97	31.07

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

ITEM #	JACKET TYPE	AVAILABLE COLOR	AVAILABLE PUT-UPS
MBW6U-03667	CMR	Black	1000 ft. Pull Box
MBW6U-00934	CMR	Blue	1000 ft. Pull Box
MBW6U-01623	CMR	Gray	1000 ft. Pull Box
MBW6U-03628	CMR	Green	1000 ft. Pull Box
MBW6U-01444	CMR	White	1000 ft. Pull Box
MBW6U-01445	CMR	Yellow	1000 ft. Pull Box



CABLE MARKING
VERICOM VERIMAX (UL) c(UL) E346149 - N TYPE CMR 75 °C 23 AWG 4P
CAT6 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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