

PRODUCT SPECIFICATIONS
RISER CAT6 U/UTP 550 MHz

COMPLIANCE

RoHS	c(UL)us Listed
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CERTIFICATIONS

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

Cable Construction	23 AWG U/UTP x 4P
Conductor Material	Solid Bare Copper
Cross Filler	Yes
Insulating Material Type	HDPE
Insulation Diameter	≈ 1.0 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	≈ 6.5 mm
Jacket Avg. Thickness	≈ 0.6 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	1-550 MHz 100±15 (Ohms)
Cold Bend Test	-20°C 4 hours No Cracking
Overall Temp. Rating	75° C
Voltage Rating	300 V
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

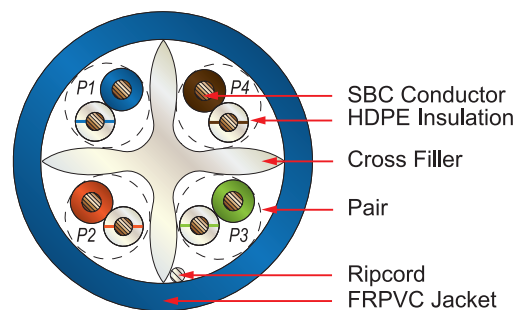
NOMINAL TRANSMISSION CHARACTERISTICS

FREQUENCY (MHz)	RETURN LOSS (dB)	ATTENUATION (dB/100M)	NEXT (dB)	PSNEXT (dB)
1	20	2.0	74	72
4	23	3.8	65	63
10	25	6.0	59	57
16	25	7.6	56	54
20	25	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	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
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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 TYPE CMR 75° C 23 AWG 4P CAT6 FTP 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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