

PRODUCT SPECIFICATIONS
RISER CAT6 F/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 F/UTP x 4P
Conductor Material	Solid Bare Copper
Cross Filler	Yes
Insulating Material Type	HDPE
Insulation Diameter	≈ 1.12 mm
Number of Insulations	4 Pair
Shielding	Aluminum Foil
PAIR COLORS	P1 White- Blue/ Blue P2 White- Orange/ Orange P3 White- Green/ Green P4 White- Brown/ Brown
Drain Wire / Diameter	Yes / 0.40 mm
Jacket Material	FRPVC
Jacket Diameter	≈ 7.8 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

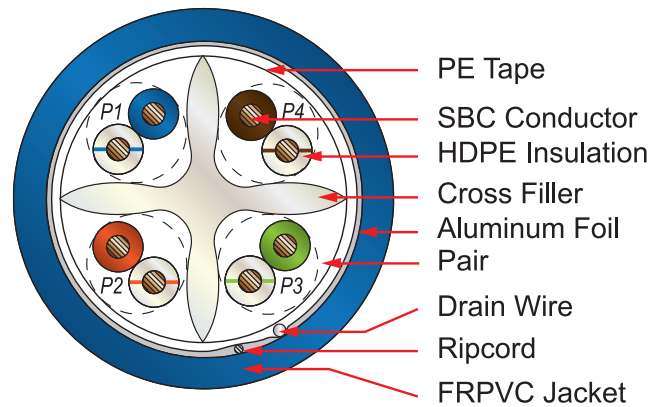
Impedance	1-550 MHz 100±15 (Ohms)
Cold Bend Test	-20°C 4 hours No Cracking
Overall Temp. Rating	75° C
Voltage Rating	300 V
DC Resistance Unbalance	Max. 2.5%
DC Resistance 20°C	84 (Ohms/Km)
Pair-to-Ground Capacitance Unbalance	330 (pF/100M)
Insulation Resistance	>5000MΩ*Km
Dielectric Strength	DC 2500V 2S

NOMINAL TRANSMISSION CHARACTERISTICS

FREQUENCY (MHz)	RETURN LOSS (dB)	ATTENUATION (dB/100M)	NEXT (dB)	PSNEXT (dB)
1	20	2.2	74.3	72.3
4	23	4.1	65.2	63.2
10	25	6.5	59.3	57.3
16	25	8.2	56.2	54.2
20	25	9.3	54.7	52.7
31.25	23.6	11.5	51.8	49.8
62.5	21.5	16.2	47.3	45.3
100	20.1	20.4	44.3	42.3
200	18	29.2	39.7	37.7
250	17.3	33.8	38.3	36.3
300	16.8	34.3	37.1	35.1
350	16.3	37.4	36.2	34.2
400	15.9	40.1	35.3	33.3
450	15.6	42.9	34.7	32.6
500	15.2	45.3	33.8	31.8
550	15	48.8	33.1	31.1

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

ITEM #	JACKET TYPE	AVAILABLE COLOR	AVAILABLE PUT-UPS
MBW6F-00935	CMR	Blue	1000 ft. Reel in 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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