

PRODUCT SPECIFICATIONS
PLENUM CAT5E U/UTP 350 MHz

COMPLIANCE

RoHS	UL Listed	c(UL) Listed
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CERTIFICATIONS

ANSI/TIA-568-C.2	ISO/IEC 11801
IEC 61156-5	NFPA 262
UL 444	CSA 22.2 NO.214
EU Directive 2011/65/EC	EU Directive 2006/95/EC

PHYSICAL SPECIFICATIONS

Cable Construction	24 AWG U/UTP x 4P
Conductor Material	Solid Bare Copper
Insulating Material Type	FEP
Insulation Diameter	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	LSFRPVC
Jacket Diameter	4.5 ± 0.2 mm
Jacket Thickness	0.35 ± 0.3 mm
Jacket Flame Rate	CMP
Rip Cord	Polyester multi-yarn

ELECTRICAL CHARACTERISTICS

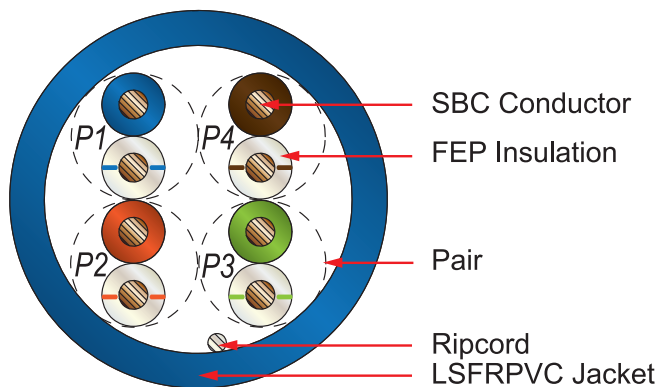
Temperature rating	75° C
Operating Temp. Range	-20°C to 75°C
Voltage rating	300 V
Spark test	2.5 KV DC
AC leakage current through overall jacket	≤ 10 mA (1.5KV AC)
Cable cold bend	-20° C for 4 hr
Conductor DC resistance	≤ 9.38 Ω/100m
Resistance unbalance	≤ 5%
Dielectric strength	1.5 KV ac for 2 s
Insulation resistance	≤ 5000 MΩ · m
Mutual capacitance	≤ 5.6 nF/ 100m
Capacitance unbalance pair-to-ground	≤ 330 pF/ 100m

NOMINAL TRANSMISSION CHARACTERISTICS

FREQUENCY (MHz)	RETURN LOSS MAX. (dB/100m)	ATTENUATION MIN. (dB/100m)	NEXT MIN. (dB/100m)	PSNEXT MIN. (dB/100m)
1	20.00	2.04	70.30	67.30
4	23.01	4.05	61.27	58.27
8	24.52	5.77	56.75	53.75
10	25.00	6.47	55.30	52.30
16	25.00	8.25	52.24	49.24
20	25.00	9.27	50.78	47.78
25	24.32	10.42	49.33	46.33
31.25	23.64	11.72	47.88	44.88
62.5	21.54	16.99	43.36	40.36
100	20.11	21.98	40.30	37.30
150	18.87	27.54	37.66	34.66
200	18.00	32.42	35.78	32.78
250	17.32	36.85	34.33	31.33
300	16.77	40.97	33.14	30.14
350	16.30	44.85	32.14	29.14

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

ITEM #	JACKET TYPE	AVAILABLE COLOR	AVAILABLE PUT-UPS
MBW5U-02400	CMP	Blue	1000 ft. Pull Box
MBW5U-02401	CMP	White	1000 ft. Pull Box
MBW5U-03578	CMP	Gray	1000 ft. Pull Box
MBW5U-03351	CMP	Yellow	1000 ft. Pull Box



CABLE MARKING

VERICOM E346149 W 24 AWG 4P 75° C c(UL)us CMP ROHS COMPLIANT
YYMMDD 00:00 ---- ETL VERIFIED TO TIA-568-C.2 CAT5E 0000FT USED / 1000FT REMAINING

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

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