

PRODUCT SPECIFICATIONS

Cat5e Shielded Solid PVC Cable- Blue

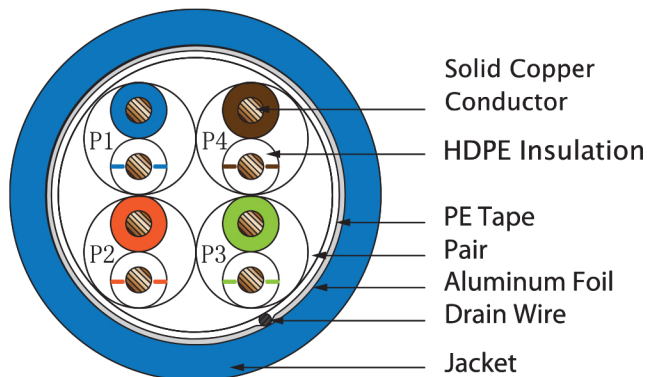
Sku: 85-500-230 BL

COMPLIANCE		
RoHS	UL Listed	c(UL) Listed
CERTIFICATIONS		
TIA 568-C.2 Category 5e		ISO/IEC 11801
PHYSICAL SPECIFICATIONS		
Cable Construction	24 AWG F/UTP x 4P	
Conductor Material	Solid Bare Copper	
Insulating Material Type	HDPE	
Insulation Diameter	Ø 1.01 ± 0.05 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
Jacket Material	FRPVC	
Jacket Diameter	Ø 6.3 ± 0.2 mm	
Jacket Thickness	0.60 ± 0.1 mm	
Jacket Flame Rate	CMR	
Rip Cord	Nylon	
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	105 (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	18.0	32.4	33.8	31.8
250	16.8	41.0	31.2	29.2
350	16.3	44.9	30.1	28.1

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

ITEM #	JACKET TYPE	AVAILABLE COLOR	AVAILABLE PUT-UPS
MBW5F-00933	CMR	Blue	1000 ft. Pull Box



CABLE MARKING

VERICOM VERIMAX (UL) c(UL) E346149 TYPE CMR 75° C 24AWG 4P CAT5E FTP TIA-568-C.2 ROHS COMPLIANT 0000FT USED / 1000FT REMAINING

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