

CONSTRUCTION CHARACTERISTICS

Number of Pairs	4
Total Number of Conductors	8
AWG	24 (0.49 mm)
Conductor	Solid bare copper
Insulation Material	HDPE
Outer Jacket OD	0.201 in.
Outer Jacket Material	FR-PVC
Outer Jacket Ripcord	Yes
Cable Weight	20 lb/1000 ft (9.1 kg/km)
Max Recommended Pulling Tension	35lb
Min Bend Radius (Install)	1.0 in
Jacket Colors	Blue

ELECTRICAL CHARACTERISTICS

Impedance:	100 $\Omega \pm 15 \Omega$
Nominal Mutual Capacitance @ 1 KHz	15 pF/m
Maximum Capacitance Unbalance	330 pf/100m
Nominal Velocity of Propagation	70%
Maximum Delay (ns/100 m) @ 100 MHz	538 ns
Maximum Delay Skew	45 ns/100 m
Maximum DCR Unbalance @ 20°C	9.38 Ω /100m
Maximum Operating Voltage (UL)	300 V RMS
UL	CM
Swept Certification	Swept to 350 MHz Certified to 100MHz
Transmission Standards	TIA/EIA-568-C.2 ETL Listed ISO/IEC 11801 Class D

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature	-30°C to +90°C (-22°F to +194°F)
Installation Temperature	-10°C to +60°C (-14°F to +140°F)

PACKAGING

Packaging	1000 ft Pull Box
-----------	------------------

Frequency (MHz)	Attenuation* (Min dB)	Return Loss* (Max dB/100 m)	NEXT* (Min dB)
1	2.0	23.0	0.3
4	4.1	23.0	61.2
10	6.5	25.0	55.3
16	8.2	25.0	52.3
31.25	11.7	23.6	47.9
62.5	17.0	21.5	43.4
100	22.0	20.1	40.3
155	28.1	18.8	37.4
200	32.4	18.0	35.7
250	38.9	17.5	34.8
300	41.0	16.8	33.1
350	44.9	16.3	32.1

* Values Above 100 MHz are Information Only



PVCAT5M-BLU-PB	U.S. Toll Free 1.800.205.8620	International +1.501.955.0032	www.perfect-vision.com
----------------	-------------------------------	-------------------------------	------------------------