

**4 PAIR 24AWG CAT5E 350MHZ PVC CM UTP CABLE 500 FT**

**Part Number: PROCAT5EW/500**

**Design and Test For**

Voice,Data,Security and Video Applications.  
IP Megapixel CCTV/Analog Installations  
Wire Access Points  
Gigabit Indoor Video/data installations  
Long distance PoE feeding

**Construction**

Conductor	100% High Quality Copper
AWG	24
Conductor Dia.(± 0.01mm)	0.5
Insulation	HDPE
Average Thickness(mm)	0.19
Insulation Dia.(± 0.02mm)	0.91
Sheath	PVC
Flammability Test	CM
Average Thickness(mm)	0.55
Outer Dia.(± 0.2mm)	5.1
Rip Cord	Yes

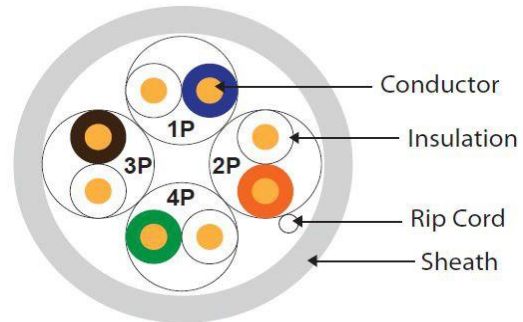
**Insulation Color**

Blue-White/ Blue	Green-White/ Green
Orange-White/ Orange	Brown-White/ Brown

**Jacket Color**

Standard	White
Special	Per customer Request

**Cross Section**



**STANDARD COMPLIANCES**

ANSI/TIA,ISO/IEC,and CENELEC EN Standards  
ANSI/TIA-568-C.2  
ISO/IEC 2nd Edition 11801 Class E  
CENELEC EN 50173-1

**Standard Packing**

1000FT/Easy Pull Box  
2 Pull Boxes/Outer Carton

**Electrical Specifications**

Dielectric strength	2.5KV dc-2seconds
Conductor resistance	Max 9.38ohm/100M at 20°C
Max. ring resistance	16.8 ohm/100M at 20°C
Max. mutual capacitance	560 pf/100M
Max. capacity unbalance	330 pf/100M
Standard impedance	100±15 ohm between 1Mhz and 100Mhz
Minimum bending radius	60mm
Working temperatures	-20~60°C

Frequency (Mhz)	ACR (dB)	RL (dB)	ATT (dB/100)	NEXT (dB)	PS.NEXT (dB)	ELFEXT (dB)	PS-ELFEXT (dB)
0.772	67.7	19.4	1.9	67.0	64.0	66.0	63.0
1	66.3	20	2.1	68.0	66.0	63.8	60.8
4	55.2	23.0	4.2	59.2	57.2	51.7	48.8
8	49.0	24.5	5.9	54.8	52.8	45.7	42.7
10	46.8	25	6.6	53.3	51.3	43.8	40.8
16	42.1	25	8.3	50.3	48.3	39.7	36.7
20	39.5	25	9.4	48.8	46.8	37.8	34.8
25	36.9	24.3	10.3	47.3	45.3	35.8	32.8
31.25	34.2	23.6	11.8	45.9	43.9	33.9	30.9
62.3	24.4	21.5	17.1	41.1	39.4	27.8	24.8
100	16.3	20.1	22.2	38.3	36.3	23.8	20.8
200	0	18.0	32.5	33.7	31.7	17.7	14.7
350	-	16.3	45.0	30.1	28.1	12.9	9.9

\*All values in this specification are nominal and are subjective to tolerances of +/- 10 to 15%