

4 PAIR 23AWG BC CAT6 250MHZ CM PVC UTP CABLE

Part Number: PROCAT6PLUS

STANDARD COMPLIANCES

ANSI/TIA,ISO/IEC,and CENELEC EN Standards
ANSI/TIA-568-C.2 Cat.6
ISO/IEC 2nd Editon 11801 Class E
CENELEC EN 50173-1
IEC61156-5 ,CENELEC EN 50288-6-1for horizontal cable

Construction

Conductor	100% High Quality Copper
AWG	23
Conductor Dia.(mm)	0.57
Insulation	HDPE
Average Thickness(mm)	0.22
Insulation Dia.(±0.02mm)	1.02
Jacket	UL CM
Average Thickness(mm)	0.60
Outer Dia.(±0.2mm)	6.1
Rip Cord	Per request

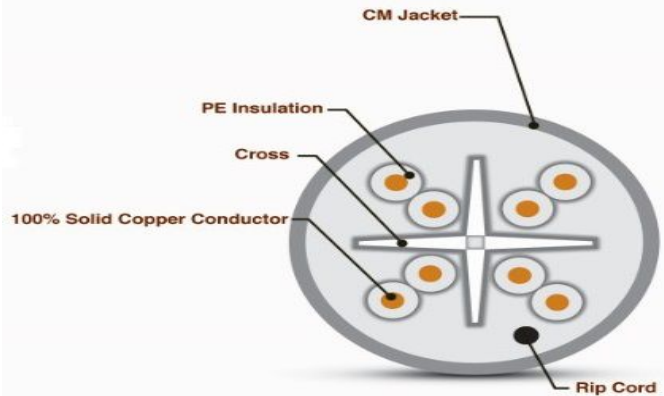
Insulation Color

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

Jacket Color

Standard	Blue
Special	Per customer Request

Cross Section



Design and Test For

IP Megapixel CCTV/Analog Installations
Wire Access Points
Gigabit Video/data installations
Long distance PoE feeding
550MHz Broadband Video Voice,T1,ISDN

Electrical Specifications

Dielectric strength	2.5KV dc-2seconds
Conductor resistance	Max 7.0 ohm/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	1.84	67.0	64.0	66.0	63.0
1	66.3	20	2.04	68.0	66.0	63.8	60.8
4	55.2	23.01	3.81	59.2	57.2	51.7	48.8
8	49.0	24.52	5.5	54.8	52.8	45.7	42.7
10	46.8	25	6.99	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	24.32	10.3	47.3	45.3	35.8	32.8
31.25	34.2	23.64	11.8	45.9	43.9	33.9	30.9
62.3	24.4	21.54	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	10.0	18.0	32.5	33.7	31.7	17.7	14.7
250	4.6	17.32	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%