

### 4 PAIR 23AWG CAT6 EXTREME WEATHERPROOF SHIELDED UV FTP CABLE

**Part Number: PROCAT6EXT**

#### Design and Test For

IP Megapixel CCTV/Analog Outdoor Installations  
Wire Access Points  
Gigabit Outdoor Video/data installations  
Long distance PoE feeding  
Reference Standard:EIA/TIA 568B.2& ISO/IEC 11801

#### 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  
Over 100% Polyester Tap and Al Foil Shielded  
Drain Wire 24AWG Bare Copper  
Jacket Black CMX UV Rated  
Average Thickness(mm) 0.65  
Outer Dia.(±0.2mm) 7.5  
Rip Cord Per request

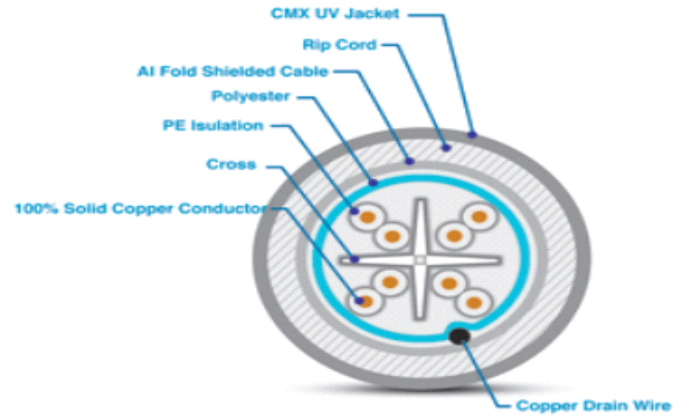
#### Insulation Color

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

#### Jacket Color

Standard Black  
Special Per customer Request

#### Cross Section



#### Standard Packing

1000FT/Reel Pull Box

#### 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)	Impedance (dB)	RL (dB)	ATT (dB/100m)	NEXT (dB)	PS.NEXT (dB)	ELFEXT (dB)	PS-ELFEXT (dB)
0.772	100±15	19.44	1.84	96	74	70	67
1	100±15	20	2.04	74.3	72.3	67.8	64.8
4	100±15	23.01	3.81	65.3	63.3	55.8	52.8
8	100±15	24.52	5.35	60.8	58.8	49.7	46.7
10	100±15	25	5.99	59.3	57.3	47.8	44.8
25	100±15	24.32	9.57	53.3	51.3	39.8	36.8
31.25	100±15	23.64	10.74	51.9	49.9	37.9	34.9
62.3	100±15	21.54	15.48	47.4	45.4	31.9	28.9
100	100±15	20.1	19.92	44.3	42.3	27.8	24.8
200	100±22	18	29.15	39.8	37.8	21.8	18.8
250	100±32	17.32	33.04	38.3	36.3	19.8	16.8

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