

### 4 PAIR 24AWG CAT5E WEATHERPROOF SHIELDED UV UL VERIFIED FTP CABLE 1000FT

**Part Number: PROCAT5EXT**

#### Design and Test For

The perfect solution for installation runs that require the cable to be exposed to the elements. Full Gigabit communications under extreme conditions.  
IP Megapixel CCTV/Analog Outdoor Installations  
Wire Access Points  
Gigabit Outdoor Video/data installations  
Long distance PoE feeding

#### Construction

|   |                          |
|---|--------------------------|
| Conductor                                       | 100% High Quality Copper |
| AWG   | 24                       |
| Conductor Dia.(mm)                              | 0.5                      |
| Insulation                                      | HDPE                     |
| Insulation Dia.(±0.02mm)                        | 0.91                     |
| Over 100% Polyester Tap and Al Foil Shielded    |                          |
| Drain Wire                                      | 24AWG Bare Copper        |
| Jacket  | ROHS PVC                 |
| PVC is Flame Retardant Non-corrosive & UV Rated |                          |
| Average Thickness(mm)                           | 0.55                     |
| Outer Dia.(±0.2mm)                              | 6.2                      |
| Rip Cord  | Per request              |

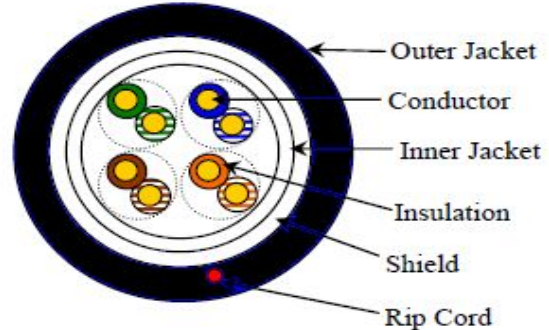
#### Insulation Color

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

#### Jacket Color

|          |                      |
|----------|----------------------|
| Standard | Black                |
| Special  | Per customer Request |

#### Cross Section



#### STANDARD COMPLIANCES

ANSI/TIA-568-C.2, ISO/IEC 2nd Edition 11801 Class E  
CENELEC EN 50173-1  
UL  
PVC Comply with the ROHS Directive 2002/95/EC

#### 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  | 50mm                               |
| Working temperatures    | -20~60°C                           |

| Frequency (Mhz) | ACR (dB) | RL (dB) | ATT (dB/100) | NEXT (dB) | PS.NEXT (dB) | ELFEXT (dB) | PS-ELFEXT (dB) |
|-----------------|----------|---------|--------------|-----------|--------------|-------------|----------------|
| 1               | 66.3     | 20      | 2.           | 65.3      | 62.3         | 63.8        | 60.8           |
| 4               | 55.2     | 23.0    | 4.1          | 56.3      | 53.3         | 51.7        | 48.7           |
| 8               | 49.0     | 24.5    | 5.8          | 51.3      | 48.8         | 45.7        | 42.7           |
| 10              | 46.8     | 25      | 6.5          | 50.3      | 47.3         | 43.8        | 40.8           |
| 16              | 42.1     | 25      | 8.2          | 47.3      | 44.3         | 39.7        | 36.7           |
| 20              | 39.5     | 25      | 9.3          | 45.8      | 42.8         | 37.7        | 34.7           |
| 25              | 36.9     | 24.3    | 10.3         | 44.3      | 41.3         | 35.8        | 32.8           |
| 31.25           | 34.2     | 23.3    | 11.7         | 42.9      | 39.9         | 33.9        | 30.9           |
| 62.3            | 24.4     | 20.7    | 17.0         | 38.4      | 35.4         | 27.8        | 24.8           |
| 100             | 16.3     | 19      | 22.0         | 35.3      | 32.3         | 23.8        | 20.8           |

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