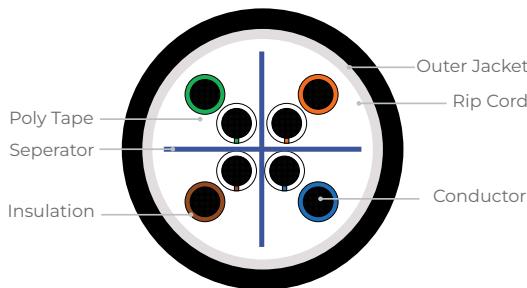


## ExTell CAT 6, UTP 23 AWG, Outdoor Cable



### Physical Properties

|                          |              |
|--------------------------|--------------|
| Installation Temperature | 0 to +50°C   |
| Storage Temperature      | -20 to +60°C |
| Operating Temperature    | -20 to +60°C |

### Cable Structure

|                            |                                      |
|----------------------------|--------------------------------------|
| Conductor                  | Solid Bare Electrolytic Grade Copper |
| Nominal Conductor Diameter | 0.55 ± 0.015 mm                      |
| Insulation                 | Polyethylene (HDPE)                  |
| Pairing                    | Twisted into Two core                |
| No.of Pair                 | 4, Each pair Twisted                 |
| Color Code                 |                                      |
| Pair #1                    | White-Blue with Blue                 |
| Pair #2                    | White-Orange with Orange             |
| Pair #3                    | White-Green with Green               |
| Pair #4                    | White-Brown with Brown               |
| Outer Sheath material      | PE                                   |
| Colour of Sheath           | Black                                |
| Approximate OD             | 6.0 ± 0.30 mm                        |
| Rip Cord                   | YES                                  |
| Sequential Marking         | At Every Meter                       |
| Cross Filler               | HDPE                                 |
| Polyester Tape             | Yes                                  |
| Packing                    | 305 Mtrs in wooden Reel              |



## ExTell CAT 6, UTP 23 AWG, Outdoor Cable

### Electrical Properties

|                      |                          |
|----------------------|--------------------------|
| Conductor Resistance | 93.8Ω/1000 mtr @20°C Max |
| Resistance Unbalance | 5% Max                   |
| Mutual Capacitance   | 5.6 nf/100 mtr Max       |
| NVP                  | 69%                      |
| Impedance            | 100 ± 15% Ω              |
| Worst Cable Skew     | 45ns/100 mtr             |

### Transmission Performance

| Frequency (MHz) | Attenuation ≤ dB/100m | Near End Crosstalk Loss NEXT ≥ dB/100m | Power Sum NEXT PS NEXT ≥ dB/100m | ACR-F ≥ dB/100m | PS ACR-F ≥ dB/100m | Return Loss RL ≥ dB |
|-----------------|-----------------------|--|----------------------------------|-----------------|--------------------|---------------------|
| 1               | 2.1                   | 65                                     | 62                               | 63.3            | 60.3               | 19                  |
| 4               | 4                     | 63                                     | 60.5                             | 51.2            | 48.2               | 19                  |
| 8               | 5.7                   | 58.2                                   | 55.6                             | 45.2            | 42.2               | 19                  |
| 10              | 6.3                   | 56.6                                   | 54                               | 43.3            | 40.3               | 19                  |
| 16              | 8                     | 53.2                                   | 50.6                             | 39.2            | 36.2               | 18                  |
| 20              | 9                     | 51.6                                   | 49                               | 37.2            | 34.2               | 17.5                |
| 25              | 10.1                  | 50                                     | 47.3                             | 35.3            | 32.3               | 17                  |
| 31.25           | 11.4                  | 48.4                                   | 45.7                             | 33.4            | 30.4               | 16.5                |
| 62.5            | 16.5                  | 43.4                                   | 40.6                             | 27.3            | 24.3               | 14                  |
| 100             | 21.3                  | 39.9                                   | 37.1                             | 23.3            | 20.3               | 12                  |
| 200             | 31.5                  | 34.8                                   | 31.9                             | 17.2            | 14.2               | 9                   |
| 250             | 35.9                  | 33.1                                   | 30.2                             | 15.3            | 12.3               | 8                   |

