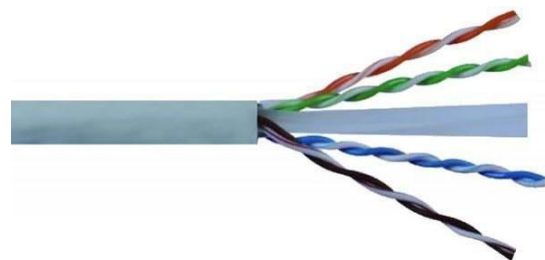


## Xcell Netlink CAT 6 Cable, 23AWG Oxygen-Free Pure Copper Conductors, PVC Jacket -305m

(Part No - XLUU6GRY23PVC)

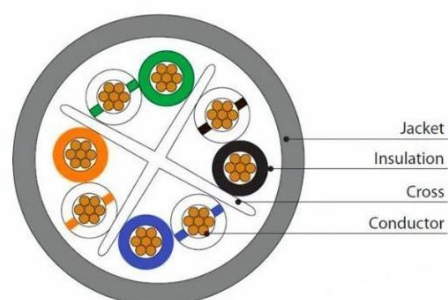
### CONSTRUCTION

|                            |  |
|----------------------------|--|
| Conductor                  | Solid Bare Copper  |
| Nominal Conductor Diameter | 23 AWG (0.56 +- 0.01 mm)   |
| Insulation                 | Polyethylene (HDPE)  |
| Pairing                    | Unshielded 4 Twisted Pair  |
| No. of Pair                | 4, Each pair Twisted   |
| Pair #1                    | Orange-White with Orange   |
| Pair #2                    | Brown-White with Brown   |
| Pair #3                    | Blue-White with Blue   |
| Pair #4                    | Green-White with Green   |
| Outer Sheath Material      | PVC  |
| Color of Sheath            | Grey / Blue  |
| Approximate OD             | 5.8mm +- 0.2 mm  |
| Rip Cord                   | Yes  |
| Sequential Marking         | At Every Meter   |
| Cross Filler               | HDPE   |
| Packing                    | 305 Mtr in a Box   |
| Standard                   | ANSI/TIA/EIA-568B.2 IEEE802.3U/IEEE 802.5<br>ISO/IEC 11801 EN50173 |



### ELECTRICAL PARAMETER

|                           |                           |
|---------------------------|---------------------------|
| Conductor Resistance (DC) | 93.5 _/1000 mtr @ 20c Max |
| Resistance Unbalance      | 5% Max                    |
| Mutual Capacitance        | 5.6 nf/100 mtr Max        |
| NVP                       | 69%                       |
| IMPEDANCE                 | 100 +/- 15% _             |
| Worst Cable Skew          | 45ns / 100 mtr            |



### PHYSICAL CHARACTERISTICS

|                          |                  |
|--------------------------|------------------|
| Installation Temperature | 0 to + 50° C     |
| Storage Temperature      | 20° C To +70° C  |
| Operating Temperature    | -20° C To +60° C |

| Frequency (MHz) | Return Loss (dB) | Attenuation (dB/100m) | ACR (dB) | PSNEXT (dB) | NEXT (dB) | ELFEXT (dB) | PSELFEXT (dB) | Delay Skew (ns/100m) |
|-----------------|------------------|-----------------------|----------|-------------|-----------|-------------|---------------|----------------------|
| 1 MHz           | 20               | 2                     | 72       | 72.3        | 74.3      | 67.8        | 64.8          | 570                  |
| 4 MHz           | 23               | 3.8                   | 61       | 63.3        | 65.3      | 55.8        | 52.8          | 552                  |
| 8 MHz           | 24.5             | 5.3                   | 55       | 58.8s       | 60.8      | 49.7        | 46.7          | 547                  |
| 10 MHz          | 25               | 6                     | 53       | 57.3        | 59.3      | 47.8        | 44.8          | 545                  |
| 16 MHz          | 25               | 7.6                   | 49       | 54.2        | 56.2      | 43.7        | 40.7          | 543                  |
| 20 MHz          | 25               | 8.5                   | 46       | 52.8        | 54.8      | 41.8        | 38.8          | 542                  |
| 25 MHz          | 24.3             | 9.5                   | 44       | 51.3        | 53.3      | 39.8        | 36.8          | 541                  |
| 31.25 MHz       | 23.6             | 10.7                  | 41       | 49.9        | 51.9      | 37.9        | 34.9          | 540                  |
| 62.5 MHz        | 21.5             | 15.4                  | 32       | 45.4        | 47.4      | 31.9        | 28.9          | 539                  |
| 100 MHz         | 20.1             | 19.8                  | 25       | 42.3        | 44.3      | 27.8        | 24.8          | 538                  |
| 150 MHz         | 18.9             | 24.7                  | 16.9     | 39.7        | 41.7      | 24.3        | 21.3          | 537                  |
| 200 MHz         | 18               | 29                    | 10.8     | 37.8        | 39.8      | 21.8        | 18.8          | 537                  |
| 250 MHz         | 17.3             | 32.8                  | 5.5      | 36.3        | 38.3      | 19.8        | 16.8          | 536                  |

## WARRANTY

Warranty

5 Year